December 30, 1967

TECHNICAL TRANSLATIONS

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CLEARINGHOUSE
FOR FEDERAL SCIENTIFIC AND TECHNICAL INFORMATION

U. S. DEPARTMENT OF COMMERCE / NATIONAL BUREAU OF STANDARDS / INSTITUTE FOR APPLIED TECHNOLOGY

December 30, 1967 Volume 18, Number 12

TECHNICAL TRANSLATIONS

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special ANNOUNCEMENTS

TERMINATION OF TECHNICAL TRANSLATIONS JOURNAL

The Technical Translations (TT) announcement journal published by the Clearinghouse will be discontinued after December 1967 (Vol. 18, No. 12, Dec. 30, 1967). Beginning in 1968, all U. S. Government-sponsored technical translations will be announced in the Clearinghouse journal, U. S. Government Research and Development Reports (USGRDR). The first issue of USGRDR announcing these translations will be Vol. 68, No. 1, Jan. 10, 1968. USGRDR subscription rates are $30.00 a year ($37.50 foreign); single copies cost $3.00. All reports, including translations, announced in USGRDR will continue to be indexed in the companion journal, U. S. Government Research and Development Reports Index (USGRDR-I), formerly called Government-Wide Index (GWI). USGRDR-I subscription rates are $22.00 a year ($27.50 foreign); single copies cost $3.00.

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Bibliography-Index to US JPRS Research Translations, listing all JPRS issues in subject compilations including their complete table of contents and subject index is available from Research and Microfilm Publications, Inc., Suite 430, 2233 Wisconsin Ave., N. W., Washington, D. C. 20007. Four titles are issued monthly: China and Asia, East Europe, International Developments (Africa, Near East, Latin America) and Soviet Union. Subscription cost: $30.00 per year for each area. Two semi-annual publications are also issued: Catalog Cards in Book Form for US JPRS Translations, arranged in JPRS publication number sequence with detailed contents for each translation ($95.00 per year) and Subject-Index to US JPRS Translations ($20.00 per year). Microfiche copies of individual JPRS translations are available on subscription at $0.32 per microfiche.

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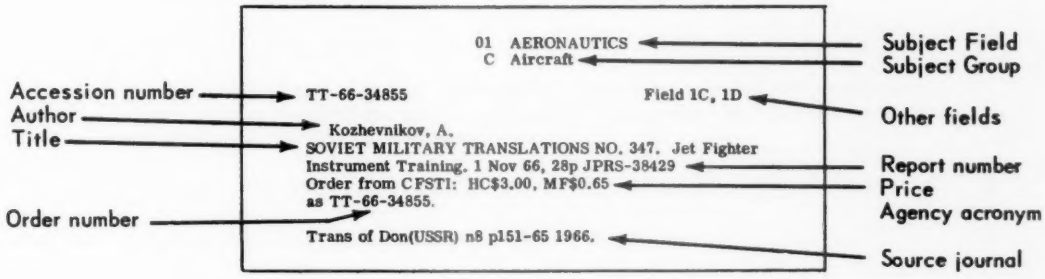

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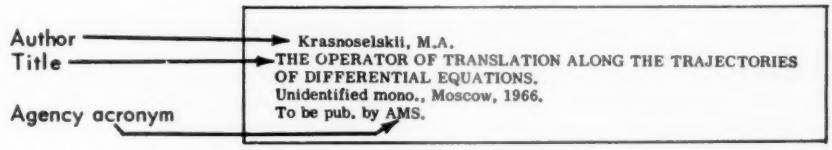

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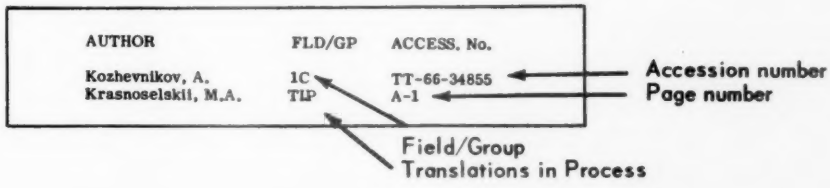

CONTENTS

Page

01 AERONAUTICS 1

Includes aerodynamics; aeronautics; aircraft; aircraft flight control and instrumentation; and air facilities. See also related fields: 16 Missile Technology, 17 Navigation, Communications, Detection, and Countermeasures, 20 Physics, and 22 Space Technology.

02 AGRICULTURE 2

Includes agricultural chemistry; agricultural economics; agricultural engineering; agronomy and horticulture; animal husbandry; and forestry. See also related field: 06 Biological and Medical Sciences.

03 ASTRONOMY AND ASTROPHYSICS 2

Includes astronomy; astrophysics; and celestial mechanics.

04 ATMOSPHERIC SCIENCES 3

Includes atmospheric physics and meteorology.

05 BEHAVIORAL AND SOCIAL SCIENCES 3

Includes administration and management; documentation and information technology; economics; history, law and political science; human factors engineering; humanities; linguistics; man-machine relations; personnel selection, training, and evaluation; psychology (individual and group behavior); and sociology. See also related field: 06 Biological and Medical Sciences.

06 BIOLOGICAL AND MEDICAL SCIENCES 11

Includes biochemistry; bioengineering; biology; bionics; clinical medicine; environmental biology; escape, rescue, and survival; food; hygiene and sanitation; industrial (occupational) medicine; life support; medical and hospital equipment and supplies; microbiology; personnel selection and maintenance (medical); pharmacology; physiology; protective equipment; radiobiology; stress physiology; toxicology; and weapon effects. See also related fields: 02 Agriculture, 05 Behavioral and Social Sciences, and 07 Chemistry.

07 CHEMISTRY 21

Includes chemical engineering; inorganic chemistry; organic chemistry; physical chemistry; and radio and radiation chemistry. See also related fields: 06 Biological and Medical Sciences, 11 Materials, 20 Physics, and 21 Propulsion and Fuels.

08 EARTH SCIENCES AND OCEANOGRAPHY 30

Includes biological oceanography; cartography; dynamic oceanography; geochemistry; geodesy; geography; geology and mineralogy; hydrology and limnology; mining engineering; physical oceanography; seismology; snow, ice, and permafrost; soil mechanics; and terrestrial magnetism. See also related field: 04 Atmospheric Sciences.

09 ELECTRONICS AND ELECTRICAL ENGINEERING 35

Includes components; computers; electronic and electrical engineering; information theory; subsystems; and telemetry. See also related fields: 10 Energy Conversion (Non-propulsive) and 20 Physics.

10 ENERGY CONVERSION (Non-Propulsive) 36

Includes conversion techniques; power sources; and energy storage. See also related fields: 09 Electronics and Electrical Engineering and 20 Physics.

11 MATERIALS 37

Includes adhesives and seals; ceramics, refractories, and glasses; coatings, colorants, and finishes; composite materials; fibers and textiles; metallurgy and metallography; miscellaneous materials; oils, lubricants, and hydraulic fluids; plastics; rubbers; solvents, cleaners, and abrasives; and wood and paper products. See also related fields: 07 Chemistry, 13 Mechanical, Industrial, Civil, and Marine Engineering, and 21 Propulsion and Fuels.

12 MATHEMATICAL SCIENCES 42

Includes mathematics and statistics and operations research. See also the specific field of application.

13 MECHANICAL, INDUSTRIAL, CIVIL, AND MARINE ENGINEERING .. 43

Includes air conditioning, heating, lighting, and ventilating; civil engineering; construction equipment, materials, and supplies; containers and packaging; couplings, fittings, fasteners, and joints; ground transportation equipment; hydraulic and pneumatic equipment; industrial processes; machinery and tools; marine engineering; pumps, filters, pipes, tubing, fittings, and valves; safety engineering; and structural engineering. See also related fields: 07 Chemistry and 09 Electronics and Electrical Engineering.

14 METHODS AND EQUIPMENT 47

Includes cost effectiveness; laboratories, test facilities, and test equipment; recording devices; reliability; and reprography.

15 MILITARY SCIENCES 48

Includes antisubmarine warfare; chemical, biological, and radiological warfare; defense; intelligence; logistics; nuclear warfare; and operations, strategy, and tactics. See also related fields; 16 Missile Technology and 17 Navigation, Communications, Detection and Countermeasures.

16 MISSILE TECHNOLOGY 49

Includes missile launching and ground support; missile trajectories; missile warheads and fuzes; and missiles. See also related fields: 01 Aeronautics, 17 Navigation, Communications, Detection, and Countermeasures, 19 Ordnance, 21 Propulsion and Fuels, and 22 Space Technology.

17 NAVIGATION, COMMUNICATIONS, DETECTION, AND COUNTERMEASURES 49

Includes acoustic detection; communications; direction finding; electromagnetic and acoustic countermeasures; infrared and ultraviolet detection; magnetic detection; navigation and guidance; optical detection; radar detection; and seismic detection. See also related fields: 09 Electronics and Electrical Engineering and 20 Physics.

18 NUCLEAR SCIENCE AND TECHNOLOGY 49

Includes fusion devices (thermonuclear); isotopes; nuclear explosions; nuclear instrumentation; nuclear power plants; radiation shielding and protection; radioactive wastes and fission products; radioactivity; reactor engineering and operation; reactor materials; reactor physics; reactors (power); reactors (non-power); and SNAP technology. See also related fields: 07 Chemistry, 15 Military Sciences, 18 Nuclear Science and Technology, 20 Physics, and 21 Propulsion and Fuels.

19 ORDNANCE 51

Includes ammunition, explosives; bombs; combat vehicles; explosions, ballistics, and armor; fire control and bombing systems; guns; rockets; and underwater ordnance. See also related field: 18 Nuclear Science and Technology.

20 PHYSICS 51

Includes acoustics; crystallography; electricity and magnetism; fluid mechanics; masers and lasers; optics; particle accelerators; particle physics; plasma physics; quantum theory; solid-mechanics; solid-state physics; thermodynamics and wave propagation. See also related fields: 03 Astronomy and Astrophysics, 07 Chemistry, 09 Electronics and Electrical Engineering, 10 Energy Conversion (Non-propulsive), 11 Materials, 13 Mechanical, Industrial, Civil, and Marine Engineering, and 17 Navigation, Communications, Detection, and Countermeasures.

21 PROPULSION AND FUELS 55

Includes air-breathing engines; combustion and ignition; electric propulsion; fuels; jet and gas turbine engines; nuclear propulsion; reciprocating engines; rocket motors and engines; and rocket propellants. See also related fields: 07 Chemistry and 20 Physics.

22 SPACE TECHNOLOGY 55

Includes astronautics; spacecraft; spacecraft trajectories and reentry; and spacecraft launch vehicles and ground support. See also related fields: 01 Aeronautics, 03 Astronomy and Astrophysics, 16 Missile Technology, 17 Navigation, Communications, Detection, and Countermeasures, and 21 Propulsion and Fuels.

TRANSLATIONS IN PROCESS A-1
TRANSLATED or ABSTRACTED PUBLICATIONS T-1
AUTHOR INDEX I-1
JOURNAL INDEX I-4
ACCESSION/REPORT NUMBER INDEX I-10
DIRECTORY OF SOURCES I-15

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No. Entries

02 AGRICULTURE

TT-67-33436 Field 2-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: AGRICULTURAL SCIENCE AND TECHNOLOGY NO. 61. 29 Sep 67, 34p. JPRS-42809.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42809

Abstract trans. of Nung Yeh Chi Shu (Chinese People's Republic) n3 p2-48ff 1963; n5 p2-64ff 1964.

TT-67-33456 Field 2-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: AGRICULTURAL SCIENCE AND TECHNOLOGY NO. 62. 4 Oct 67, 19p. JPRS-42829.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42829

Abstract trans. of Nung Yeh Chi Shu (Chinese People's Republic) n6 p2-64 1964.

TT-67-33573 Field 2-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: AGRICULTURAL SCIENCE AND TECHNOLOGY NO.65. 13 Oct 67, 20p. JPRS-42947.
Order from CFSTI or ETC: HC$3.00, MF$0.65 JPRS-42947

Abstract trans. of Nung Yeh Chi Shu (Chinese People's Republic) n8 p2-64ff 1964.

TT-67-33607 Field 2-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: AGRICULTURAL SCIENCE AND TECHNOLOGY NO. 66. 17 Oct 67, 67p. JPRS-42981.
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Abstract trans. of Nung Yeh Chi Shu (Chinese People's Republic) n1 p2-48 1963; n7 p2-64 1964; n1 p2-48ff; n2 p2-56 1965.

TT-67-33713 Field 2-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: AGRICULTURAL SCIENCE AND TECHNOLOGY NO. 68. 24 Oct 67, 36p. JPRS-43088.
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Abstract trans. of Nung Yeh Chi Shu (Chinese People's Republic) n11 p2-48ff; n12 p2-48ff 1965.

TT-67-33764 Field 2-

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 597. 27 Oct 67, 57p. JPRS-43139.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43139

B. Agricultural economics

TT-67-33457 Field 2B, 5C

Lin Ch'en.
COMMUNIST CHINA: ECONOMIC TRANSLATIONS NO. 32. Observations on the Summer Grain Harvest in Communist China. 4 Oct 67, 17p, refs. JPRS-42830.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42830

Trans. of Fei Ching Yen Chiu (Taiwan) v1 n6 p25-30 1967.

TT-67-33604 Field 2B, 5C, 5I

ALBANIA: PRESS INFORMATION REPORT NO. 230. 17 Oct 67, 53p. JPRS-42978.
Order from CFSTI or ETC: HC$3.00. MF$0.65 as JPRS-42978

TT-67-33620 Field 2B

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 596. 17 Oct 67, 39p. JPRS-42994.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42994

TT-67-33644 Field 2B, 5I

Tyurina, A. P.
EXPERIENCES OF THE 30,000 CITY WORKERS SENT TO KOLKHOZES IN 1955. 18 Oct 67, 18p. JPRS-43019.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43019

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From the Great October to the Building of Communism.

TT-67-33727 Field 2B, 5C

NORTH VIETNAM: TRANSLATIONS NO. 269. 25 Oct 67, 60p. JPRS-43102.
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C. Agricultural engineering

NCH-212 401 Field 2C, 2D

Pietrucci, A.
GENERAL SURVEY OF THE BEHAVIOR OF A

THRESHING-LINE. 18 Oct 67, 7p. TC-4394.
Order from TC: $5.50 as TC-4394

Trans. of Annales S.E.I.T.A.-D.E.E. Section 1, n4 p13-20 1966.

TT-67-33568 Field 2C

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42942

Abstract trans. of Nung Yeh Chi Hsieh Chi Shu (Chinese People's Republic) n2 p2-32ff; n6 p2-32ff 1963.

D. Agronomy and horticulture

TT-67-33477 Field 2D, 2C, 2B, 15-

NORTH VIETNAM: TRANSLATIONS NO. 258. 5 Oct 67, 53p. JPRS-42851.
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TT-67-33698 Field 2D, 2E

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: AGRICULTURAL SCIENCE AND TECHNOLOGY NO. 67. 24 Oct 67, 30p. JPRS-43073.
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TT-67-51216 Field 2D, 6C

Lobanov, V. Ya.
QUALITY DETERMINATION OF SEEDS. Tr. by Zvi Shapiro. 1967, 77p, refs.
SFCSI-Agr(TT-67-51216).
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Trans. of mono. Opredelenie Posevnykh Kachesty Semyan, Moscow, 1964.

E. Animal husbandry

TT-67-51233 Field 2E, 2F

Vakhtina, T. V.
TUNDRA SHRUBS AND THEIR UTILIZATION IN REINDEER RAISING (Tundrovye Kustarniki i ikh Ispolzovanie v Olenevodstve). 1967, 7p, refs.
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Trans. of Nauchno-Issledovatelskii Institut Selskogo Khozyaistva Krainego Severa. Trudy (USSR) v11 p51-6 1963.

TT-67-63200 Field 2E, 6C

Mamikonian, M. M.
A CASE OF THEILERIOSIS IN THE TIBETIAN YAK (P. GRUNNEUS). 1966, 2p. NAMRU-3-Trans-200; NIH-6-73-66; AD-660 150.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 150

Trans. of Armyanskii Nauchno-Issledovatelskii Veterinarnyi Institut, Ervan. Trudy (USSR) n7 p125-6 1950.

F. Forestry

TT-66-51082 Field 2F, 8M

Svoboda, V.; Cisar, V.
SOIL CLASSIFICATION AS A BASIS FOR FOREST TYPOLOGY IN THE KOSTELEC AREAS (Klasifikace Pud Jako Jeden z Podkladu pro Stanoveni Lesnich Typu na Cernokostelecku). 1967, 125p, refs. SFCSI-Agr(TT-66-51082).
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Trans. of Ceske Vysoke Uceni Technicke Fakulta Lesnicka. Sbornik Vedeckych Praci (Czechoslovakia) v2 1959.

TT-66-57028 Field 2F

Stecki, Z.
RESEARCH ON THE GROWTH OF POPLAR HYBRIDS APPLIED TO THEIR SELECTION (Badania nad Wzrostem Mieszancow Topoli w Zastosowaniu do ich Selekcji). Tr. by Jerzy Bachrach. 1967, 67p, 47refs. SFCSI-Agr(TT-66-57028).
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Trans. of Arboretum Kornickie (Poland) v8 p155-214 1963.

TT-67-51319 Field 2F, 6C

Morochkovskii, S. F.
MYCOFLORA OF FIELD-PROTECTIVE FOREST PLANTATIONS OF THE EAST BANK DNIEPER STEPPE OF THE UKRAINIAN SSR (Mikoflora Polezakhysnykh Lisonasadzhen Livoberezhnoho Stepu ta Lisostepu Ukrayinskoi RSR). 1967, 11p, refs.
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Trans. of Ukrayinskyi Botanichnyi Zhurnal (USSR) v10 n4 p57-65 1953.

03 ASTRONOMY AND ASTROPHYSICS

B. Astrophysics

TT-67-63034 Field 3B

Brown, G.
SOLAR HEAT THROUGH A WINDOW. Tr. by E. M. Huggard. Nov 66, 31p, refs. NP-tr-1506.
U. S. Requestors only order from CFSTI: HC$3.00, MF$0.65 as NP-tr-1506

Trans. of Tidskrift for Varme-, Ventilations-och Sanitetsteknik (sic) n2 p57-67 1966.

TT-67-63106 Field 3B

Zinoviev, V. A.
MICROMETRIC MEASUREMENTS OF VENUS DURING 1964-66. Tr. by S. M. Olenicoff. Oct 67, 12p,

1ref. P-3692; AD-659 727.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-659 727

Trans. of Astronomicheskii Vestnik (USSR) v1 n2 p121-3 1967.
For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

TT-67-63179 Field 3B

Bruhns, C. C.
THE ASTRONOMICAL REFRACTION OF RAYS: EXCERPTS. Tr. by Marcel I. Weinreich. 1967, 14p. SC-T-67-0930.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as SC-T-67-0930

Trans. of mono. die Astronomische Strahlenbrechung, Leipzig, 1861 p174-81.

04 ATMOSPHERIC SCIENCES

A. Atmospheric physics

TT-67-33471 Field 4A, 4B

T'ao Shih-yen.
COMMUNIST CHINA: SCIENCE AND TECHNOLOGY TRANSLATIONS NO. 393. 5 Oct 67, 37p. JPRS-42845.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42845

Trans. of Ti Li (Chinese People's Republic) n2 p52-9; n3 p114-20 1965.

TT-67-33776 Field 4A, 20I, 20N

Gurevich, A. V.
RADIO-WAVE EFFECT ON THE IONOSPHERE IN THE F-LAYER REGION. 27 Oct 67, 14p, 5refs. JPRS-43151.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43151

Trans. of Geomagnetizm i Aeronomiya (USSR) v7 n2 p291-9 1967.
For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

TT-67-63004 Field 4A

Khvostikov, I. A.
PHOTOMETRIC ANALYSIS OF NIGHT SKY LUMINESCENCE (Fotometricheskii Analiz Svecheniya Nochnogo Neba). Tr. by Michael M. Dane, and David Kraus. Apr 54, 58p. AD-47 804.
Order from CFSTI HC$3.00 as AD-47 804

Trans. of mono. Svechenie Nochnogo Neba, 2d ed., Moscow, 1948 p293-333.
Contract AF 19(604)-203.

TT-67-63134 Field 4A

Kucherov, N. I.
EFFECT OF SYNOPTIC FRONTS ON THE QUALITY OF IMAGES. Tr. by E. Harter. 20 Apr 67, 18p, 6refs. FTD-HT-66-604; AD-659 907.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-659 907

Unedited rough draft trans. of mono. Vliyanie Sinopticheskikh Frontov na Kachestvo Izobrazhenii, Moscow, 1965 p49-59.

TT-67-63236 Field 4A, 8C, 20M

Samoilenko, V. S.
EXPERIMENTAL AND THEORETICAL INVESTIGATIONS OF RADIATIVE HEAT EXCHANGE IN THE SURFACE LAYERS ABOVE SEAS AND OCEANS (Eksperimentalnye i Teoreticheskie Issledovaniya Radiatsionnogo Teploobmena v Prizemnom Sloe nad Moryami i Okeanami). 28 Apr 67, 47p, 5refs. FTD-HT-67-415; AD-660 407.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 407

Trans. of Akademiya Nauk SSSR. Institut Okeanologii. Trudy, v78 p128-53 1965.
Contract AF 33(657)-16408.

B. Meteorology

TT-67-63136 Field 4B

Dobryshman, E. M.
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A. Administration and management

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TT-67-33808 Field 5A, 5C, 5I

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C. Economics

NCH-212 618 Field 5C, 7A

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TT-67-33731 Field 5C

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TT-67-33735 Field 5C, 9B

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TT-67-33749 Field 5C, 5A

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TT-67-33752 Field 5C

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TT-67-33760 Field 5C, 2B

Komarek, V.
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TT-67-33767 Field 5C

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TT-67-33770 Field 5C, 5I

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TT-67-33805 Field 5C

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TT-67-33807 Field 5C, 5A

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TT-67-33810 Field 5C, 5D, 5I

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TT-67-33812 Field 5C

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TT-67-33821 Field 5C, 5D

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TT-67-33827 Field 5C, 5A

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TT-67-63213 Field 5C, 11A

Wu Chen-wen.
AIRPLANES: ADVANCES IN ASSEMBLY TECHNIQUES

(II) WELDING, PLASTIC CEMENTING, HERMETIC SEALING. 28 Apr 67, 10p. FTD-HT-66-799; AD-660 342.
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Trans. of Hang K'ung Chih Shih (Chinese People's Republic) v2 n3 p18-9 1965.
Contract AF 33(657)-16408.

D. History, law and political science

TT-67-33513 Field 5D

COMMUNIST CHINA: POLITICAL AND SOCIOLOGICAL TRANSLATIONS NO. 424. Information from the Red Guard Press. 9 Oct 67, 28p. JPRS-42887.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42887

TT-67-33572 Foeld 5D

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TT-67-33575 Field 5D, 17B

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TT-67-33589 Field 5D

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TT-67-33603 Field 5D, 5C, 2D

COMMUNIST CHINA DIGEST NO. 190. 16 Oct 67, 221p. JPRS-42977.
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TT-67-33613 Field 5D

al-Khuli, L.; Rodenson, M.; Suleiman, Q. W.; Murad, Z.; Aziz, K.
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TT-67-33661 Field 5D, 5I

THE NEAR EAST: TRANSLATIONS NO. 209. 19 Oct 67, 30p. JPRS-43036.
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TT-67-33663 Field 5D

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TT-67-33665 Field 5D, 5C

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TT-67-33666 Field 5D, 5I

Iordanskii, V.
AFTER-EFFECTS OF THE WAR IN JORDAN. 20 Oct 67, 10p. JPRS-43041.
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TT-67-33681 Field 5D

Iordanskii, V.; Kislov, A.
TASS ANALYSIS OF CURRENT EVENTS IN EGYPT. 20 Oct 67, 6p. JPRS-43056.
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Jelen, L.
POLITICAL TRANSLATIONS ON EASTERN EUROPE NO. 299. Training of Prospective Party Members at the Technical University. 24 Oct 67, 6p. JPRS-43085.
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TT-67-33743 Field 5D, 5C

Janecek, O.
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TT-67-33748 Field 5D

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TT-67-33757 Field 5D

Yakovlev, M. I.
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TT-67-33758 Field 5D, 5C, 5I

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TT-67-33759 Field 5D, 5C

LA STAMPA AND LA STAMPA SERA (9-15 OCT 1967): INDEX NO. 389. 27 Oct 67, 10p. JPRS-43134.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43134

Index to contents of la Stampa (Italy) 10-15 Oct 1967 and la Stampa Sera (Italy) 9 Oct 67.

TT-67-33761 Field 5D, 5C, 2E, 2C

NORTH VIETNAM: TRANSLATIONS NO. 272. 27 Oct 67, 34p. JPRS-43136.
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TT-67-33768 Field 5D

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TT-67-33779 Field 5D

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TT-67-33811 Field 5D, 5G, 5I

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TT-67-33829 Field 5D, 5I, 5C

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TT-67-33830 Field 5D

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TT-67-33831 Field 5D

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43206

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F. Humanities

TT-67-33643 Field 5F

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I. Personnel selection, training and evaluation

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TT-67-25349 Field 5I

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TT-67-25351 Field 5I, 8F

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TT-67-33530 Field 5I

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TT-67-33611 Field 5I

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TT-67-33615 Field 5I

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TT-67-33656 Field 5I

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43031

TT-67-33772 Field 5I

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43147

TT-67-33804 Field 5I

USSR LABOR: TRANSLATIONS NO. 210. 31 Oct 67, 21p. JPRS-43179.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43179

TT-67-33814 Field 5I

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TT-67-63072 Field 5I, 5J

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THE NEW WEAPON AND COMBATANT DISCIPLINE. 7 Jun 67, 324p. FTD-HT-67-147; AD-660 247.
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K. Sociology

TT-67-33736 Field 5K

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TT-67-33739 Field 5K

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43114

TT-67-33777 Field 5K

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43152

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06 BIOLOGICAL AND MEDICAL SCIENCES

TT-67-33614 Field 6-

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 87. 17 Oct 67, 85p. JPRS-42988.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42988

TT-67-33697 Field 6-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 262. 24 Oct 67, 24p. JPRS-43072.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43072

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43156

A. Biochemistry

NCH-212 523 Field 6A

Halicz, B.
RESEARCH ON THE MECHANISM OF ACTION OF

ULTRASOUND. I, THE INVLUENCE OF ULTRASOUND ON THE EARLY STAGES OF GERMINATION, THE PHOSPHORUS COMPOUNDS CONTENT AND BETA-GLYCEROPHOSPHATASE ACTIVITY.
1 Nov 67, 15p. TC-4665.
Order from TC: $13.50 as TC-4665

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NCH-212 546 Field 6A

Bocci, V.
BIOLOGICAL BEHAVIOR OF RABBIT ALBUMIN. I, ELECTROPHORETIC ISOLATION OF POLYMERIC ALBUMIN. 1 Nov 67, 7p. TC-4649B.
Order from TC: $4.00 as TC-4649B

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NCH-212 547 Field 6A

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Order from TC: $4.00 as TC-4649C

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NCH-212 552 Field 6A

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BIOLOGICAL BEHAVIOR OF RABBIT ALBUMIN. III, DISTRIBUTION AND METABOLISM OF MONOMERIC ALBUMIN. 1 Nov 67, 6p. TC-4649D.
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NCH-212 602 Field 6A

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Order from STA

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NCH-212 605 Field 6A

Mezesova, V.
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TT-67-33683 Field 6A

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43061

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For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43076

Trans. from Kommunist, Erevan (USSR) 22 Aug p2 1967.

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43149

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TT-67-33775 Field 6A

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43150

Trans. of mono. Fizicheskie Metody Issledovaniya Belkov i Nukleinovykh Kislot, Moscow, 1967 p5-10, 323.

TT-67-63139 Field 6A

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63139

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C. Biology

NCH-212 535 Field 6C, 20A

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Order from TC: $7.00 as TC-4634

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NCH-212 541 Field 6C, 20A

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Order from TC: $7.00 as TC-4635

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NCH-212 551 Field 6C, 20A

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Order from TC: $15.50 as TC-4636

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TT-67-33744 Field 6C

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43119

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TT-67-33780 Field 6C, 20H

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TT-67-51208 Field 6C

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TT-67-51284 Field 6C

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TT-67-57065 Field 6C, 6M, 6H

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Order from CFSTI: HC$3.00, MF$0.65 as TT-66-57065

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TT-67-63152 Field 6C, 6P

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AUTORADIOGRAPHIC DETERMINATION OF THE DNA-REPLICATION TIME AND ITS COURSE IN SPERMATOGONIA OF THE RAT BY DOUBLE LABELING WITH C-14 AND H-3-THYMIDINE. Tr. by L. Wittels. Jul 67, 7p, refs. UCRL-Trans-10110.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as UCRL-Trans-10110

Trans. of die Naturwissenschaften (West Germany) v49 p352 1962.

TT-67-63160 Field 6C, 6P

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AUTORADIOGRAPHIC INVESTIGATIONS OF THE DURATION OF THE S-PHASE AND OF THE GENERATION CYCLE OF THE BASAL EAR EPITHELIA OF MICE (Autoradiographische Untersuchungen der dauer der S-Phase und des Generationzyklus der Basal-Epithelien des Ohres der Maus). Tr. by Elmar K. Wilip. Jul 67, 10p, refs. ANL-Trans-507.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as ANL-Trans-507

Trans. of Experimental Cell Research (U. S.) v44 p129-38 1966.

TT-67-63187 Field 6C

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as UCRL-Trans-10113

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For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

TT-67-63197 Field 6C

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NAMRU-3-Trans-185; NIH-2-28-66; AD-660 154.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 154

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TT-67-63198 Field 6C

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 153

Trans. of Zoologicheskii Zhurnal (USSR) v44 n3 p363-72 1965.

D. Bionics

TT-67-33676 Field 6D

Genes, V. S.
CYBERNETIC PROCESSING OF DIAGNOSTIC DATA AND DATA OF PHYSIOLOGICAL RESEARCH. 20 Oct 67, 54p. JPRS-43051.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43051

Trans. of mono. Nekotorye Prostye Metody Kiberneticheskoi Obrabotki Dannykh Diagnosticheskikh i Fiziologicheskikh Issledovanii, Moscow, 1967 p3-12, 49-72, 207-8.
Some Simple Methods for Cybernetic Processing of Diagnostic Data and the Data of Physiological Research.

TT-67-63233 Field 6D

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INVESTIGATION OF PROCESSES OF CONTROL IN LIVING ORGANISMS AND PATHS OF CREATION OF NEW CYBERNETIC SYSTEMS (Issledovaniya Protsessov Upravleniya v Zhivykh Organizmakh i Puti Sozdaniya Novykh Kiberneticheskikh Sistem). 5 Sep 67, 44p, 86refs. FTD-MT-66-66; AD-660 409.
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Trans. of Akademiya Nauk Gruzinskoi SSR, Tiflis. Institut Kibernetiki. Trudy, v1 p169-90 1963.

TT-67-63239 Field 6D, 5J

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PROBLEMS OF ENGINEERING PSYCHOLOGY. 25 Jan 67, 338p, refs. FTD-HT-66-220; AD-660 414.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 414

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E. Clinical medicine

TT-67-33446 Field 6E, 5I

Venediktov, D. D.; Chernyavskaya, T. A.; Khromov, B. M.; Shparkovskaya, M. L.; Begelman, A. A.
SOVIET PUBLIC HEALTH NO. 8, 1967: TRANSLATIONS. 3 Oct 67, 45p. JPRS-42819.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42819

Trans. of Sovetskoe Zdravookhranenie (USSR) n8 p3-23, 30-8, 51-2 1967.
For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

TT-67-33476 Field 6E, 6E

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 255. 5 Oct 67, 30p. JPRS-42850.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42850

Abstract trans. of Chung Hua I Hsueh Tsa Chih (Chinese People's Republic) v50 n5 p273-340ff 1964 and Sheng Wu Hsueh T'ung Pao (Chinese People's Republic) n2 p3-57 1963.

TT-67-33545 Field 6E

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 256. 10 Oct 67, 38p. JPRS-42919.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42919

Abstract trans. of Chung Hua Wai K'o Tsa Chih (Chinese People's Republic) v8 n2 p109-206ff 1960.

TT-67-33567 Field 6E

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42941

Abstract trans. of Chung Hua K'ou Ch'iang K'o Tsa Chih (Chinese People's Republic) v8 n2 p61-122ff; n3 p123-7, 134-55; 153-78 1960.

TT-67-33586 Field 6E

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 258. 13 Oct 67, 69p. JPRS-42960.

Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42960

Abstract trans. of Chung Hua Nei K'o Tsa Chih (Chinese People's Republic) v9 n1 p1-68b; n2 p69-136b 1963 and of Chung Hua I Hsueh Tsa Chih (Chinese People's Republic) v50 n8 p477-536ff 1964.

TT-67-33605 Field 6E

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 259. 17 Oct 67, 24p. JPRS-42979.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42979

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TT-67-33612 Field 6E

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42986

TT-67-33626 Field 6E, 6D

Gambaryan, L.; Gasparyan, Yu.
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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43001

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TT-67-33629 Field 6E

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ALLOPLASTIC SURGERY AND TRAUMATOLOGY: SELECTED PARTS. 18 Oct 67, 71p. JPRS-43004.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43004

Trans. of mono. Alloplastika v Khirurgii i Travmatologii, Leningrad, 1965 p5-19, 40-53, 56-61, 265-7. Proceedings of the (8th) Plenum of the Board of the All-Union Society of Surgeons (no. 8).

TT-67-33649 Field 6E

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MOLECULAR-CELLULAR PRINCIPLES OF IMMUNOLOGY: SELECTED PARTS. 19 Oct 67, 26p. JPRS-43024.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43024

Trans. of mono. Molekulyarno-Kletochnye Osnovy Immunologii, Saratov, 1966 p3-5, 6-10, 310-3.

TT-67-33671 Field 6E

Chesnokova, G. D.; Dovgan, E. G.; Veller, O. R.; Kotova, L. S.
TRANSPLANTATION OF ORGANS. Summary Review of Foreign Literature. 20 Oct 67, 15p, refs. JPRS-43046.

Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43046

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TT-67-33712 Field 6E

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 263. 24 Oct 67, 43p. JPRS-43087.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43087

Abstract trans. of Chung Hua Nei K'o Tsa Chih (Chinese People's Republic) v9 n6 p339-406b 1963 and Chung Hua I Hsueh Tsa Chih (Chinese People's Republic) v49 n2 p75-140ff 1963.

TT-67-33730 Field 6E, 5I

Lisitsyn, Yu. P.; Mindlin, Ya. S.; Kudryavtseva, E. N.; Grabovskii, P. P.; Lipnitskaya, B. B.
SOVIET PUBLIC HEALTH, VOL. 26, NO. 9, 1967: TRANSLATIONS. 25 Oct 67, 52p. JPRS-43105.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43105

Trans. of Sovetskoe Zdravookhranenie (USSR) v26 n9 p3-16, 32-8, 42-8, 57-60, 65-7 1967.
For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

TT-67-33738 Field 6E

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 264. 26 Oct 67, 66p. JPRS-43113.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43113

Abstract trans. of Chung Hua Nei K'o Tsa Chih (Chinese People's Republic) v9 n5 p271-338b; n7 p407-74Bff 1963 and Chung Hua I Hsueh Tsa Chih (Chinese People's Republic) v49 n3 p141-208ff 1963.

TT-67-33773 Field 6E, 2E

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 266. 27 Oct 67, 70p. JPRS-43148.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43148

TT-67-33809 Field 6E

NORTH VIETNAM: TRANSLATIONS NO. 273. 31 Oct 67, 20p. JPRS-43184.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43184

TT-67-33828 Field 6E

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 269. 31 Oct 67, 33p. JPRS-43203.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43203

Abstract trans. of Chung Hua I Hsueh Tsa Chih (Chinese People's Republic) v49 n4 p209-76ff; n6 p345-412 1963.

TT-67-56003/1 Field 6E, 18B

Zawadowski, W., ed.
POLISH REVIEW OF RADIOLOGY AND NUCLEAR MEDICINE, VOL. 31, NO. 1, 1967. Tr. by E. Paryski. 1967, 165p, refs.
SFCSI-HEW-NLM(TT-67-56003/1).
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-56003/1

Trans. of Polski Przeglad Radiologii i Medycyny Nuklearnej, v31 n1 1967.
For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

TT-67-56008/4 Field 6E

POLISH MEDICAL JOURNAL, VOL. 6, NO. 4, 1967. 1967, 235p, refs.
SFCSI-HEW-NLM(TT-67-56008/4).
Order from CFSTI: HC$3.00, MF$0.65 as TT-67-56008/4

For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

TT-67-63065 Field 6E, 6M

Zelevinskaya, S. A.; Bulatova, T. I.; Lurina, I. A.
STUDY OF THE IMMUNOLOGICAL EFFECTIVENESS OF COMPLEX IMMUNIZATION AGAINST GAS GANGRENE, TETANUS AND BOTULISM IN EXPERIMENTS ON MONKEYS. 1967, 6p, refs.
NIH-2-96-66.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63065

Trans. of Byulleten Eksperimentalnoi Biologii i Meditsiny (USSR) v53 p59-62 1962.
For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

TT-67-63074 Field 6E

Morio Ito.
QUANTITATIVE AND QUALITATIVE MEASUREMENT OF RIGIDITY AND TREMOR IN PARKINSONISM. 1967, 36p. NIH-3-37-66.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63074

Trans. of Nihon Geka Hokan (Japan) v34 n2 p389-417 1965.

TT-67-63076 Field 6E

Alajouanine, T.; Sabouraud, O.; Gremy, F.
OSCILLOGRAPHIC STUDY OF SPEECH IN PARKINSON'S DISEASE: EARLY EFFECTS OF PALLIDAL COAGULATION. 1967, 16p (figs omitted). NIH-6-52-66.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63076

Trans. of Revue Francaise d'Etudes Cliniques et Biologiques (France) v9 p411-9 1964.

TT-67-63080 Field 6E

Gourfinkle, V. S.; Kandel, E. I.; Kotz, Ya. M.; Sheek, M. L.
ON THE MECHANISM OF THE DEVELOPMENT OF TREMOR IN PARKINSONISM. 1967, 12p (figs omitted). NIH-3-36-66.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63080

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TT-67-63081 Field 6E, 6T

Zhuk, L. N.
CONCERNING THE THERAPY OF EXPERIMENTAL BOTULINAL INTOXICATION BY MEANS OF LOW-MOLECULAR POLYMER BLOOD SUBSTITUTES. Tr. by Edward Lachowicz. 1967, 7p, refs.
NIH-2-97-66.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63081

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TT-67-63087 Field 6E, 6T

Abrosimov, V. N.
MECHANISM OF ACTION OF BOTULINAL TOXIN ON RESPIRATION. Tr. by Edward Lachowicz. 1967, 16p (figs omitted) refs. NIH-2-25-66.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63087

Trans. of Arkhiv Patologii (USSR) v18 n1 p86-91 1956.

TT-67-63095 Field 6E

Velikanov, I. M.
EXPERIMENTAL IMMUNIZATION OF MAN AGAINST BOTULISM. Tr. by Edward Lachowicz. 1967, 8p. NIH-6-86-66.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63095

Trans. of Klinicheskaya Meditsina (USSR) n12 p1802-6 1934.

TT-67-63097 Field 6E, 6O

Morgunov, I. N.
THE IMPORTANCE OF THE REACTIVITY OF THE ANIMAL ORGANISM IN THE SUMMATION OF TOXIC STIMULI: THE EFFECT OF ALLERGIC REACTIVITY ON THE BEHRING PHENOMENON. Tr. by Edward Lachowicz. 1967, 9p. NIH-6-79-66.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63097

Trans. of Byulleten Eksperimentalnoi Biologii i Meditsiny (USSR) v54 n8 p73-6 1962.
For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

TT-67-63107 Field 6E, 6T

Mikhailov, V. V.
ON THE PHYSIOLOGICAL MECHANISMS OF THE POTENTIATION EFFECT OF TYPES A AND B BOTULINAL TOXINS IN THE ORGANISM. 1967, 22p (figs omitted) refs. NIH-2-68-66.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63107

Trans. of Arkhiv Patologii (USSR) v21 n9 p7-16 1959.

TT-67-63109 Field 6E, 6A

Zdrodovskii, P. F.
PROBLEM OF THE FORMATION OF PROTECTIVE ANTIBODIES IN THE LIGHT OF CURRENT DATA. 1967, 30p. NIH-6-91-66.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63109

Trans. of Akademiya Meditsinskikh Nauk SSSR. Vestnik, v18 p3-16 1963.
For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

TT-67-63115 Field 6E, 6T

Shupyatskii, M. G.
UNUSUAL CASE OF BOTULISM. Tr. by Edward Lachowicz. 1967, 3p. NIH-2-90-66.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63115

Trans. of Voenno-Meditsinskii Zhurnal (USSR) n4 p25-6 1959.
For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

TT-67-63121 Field 6E, 6T

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DISTURBANCE IN THE CENTRAL RESPIRATORY CONTROL DURING BOTULINAL INTOXICATION. Tr. by Edward Lachowicz. 1967, 10p (figs omitted) refs. NIH-2-24-66.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63121

Trans. of Patologicheskaya Fiziologiya i Eksperimentalnaya Terapiya (USSR) v6 n3 p44-8 1962.

TT-67-63122 Field 6E, 6T

Popova, L. M.
PATHOGENESIS AND TREATMENT OF RESPIRATORY DISORDERS IN BOTULISM. 1967, 13p, refs. NIH-2-83-66.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63122

Trans. of Klinicheskaya Meditsina (USSR) v42 n2 p83-7 1964.

TT-67-63126 Field 6E, 6T

Maslov, O. K.; Popov, B. P.; Salimov, S. G.
CASE OF COMBINED TREATMENT OF SEVERE BOTULISM USING CONTROLLED RESPIRATION. 1967, 4p. NIH-2-64-66.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63126

Trans. of Sovetskaya Meditsina (USSR) v27 n6 p139 1963.

TT-67-63138 Field 6E

Baubinene, A.
THE SEASONAL FLUCTUATION OF MYOCARDIAL INFARCTION AND THE TIME OF ITS ONSET. Tr. by Z. Knowles. 5 Oct 67, 4p, refs. NIH-10-5-67.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63138

Trans. of Kardiologiya (USSR) v6 n4 p68-70 1966.

TT-67-63194 Field 6E

Perelatov, V. D.; Lazarev, V. N.
WHAT IS ESSENTIAL TO KNOW ABOUT HEMORRHAGIC FEVER. 1966, 8p. NAMRU-3-Trans-182; NIH-2-80-66; AD-660 157.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 157

Trans. of Unidentified mono., Rostov, 1965 p3-28.

TT-67-63195 Field 6E

Musabaev, I. K.
SOME PECULIARITIES OF HEMORRHAGIC IN UZBEKISTAN. 1966, 4p. NAMRU-3-Trans-183; NIH-2-76-66; AD-660 156.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 156

Trans. of Meditsinskii Zhurnal Uzbekistana (USSR) n8 p62-5 1961.

TT-67-63196 Field 6E

Musabaev, I. K.
INCIDENCE OF HEMORRHAGIC FEVER IN SAMARKAND OBLAST. 1966, 6p. NAMRU-3-Trans-184; NIH-2-75-66; AD-660 155.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 155

Trans. of Za Sotsialisticheskoe Zdravokhraenenie Uzbekistana (USSR) n2 p12-6 1953.

TT-67-63199 Field 6E

Mironov, V. S.; Baldina, A. I.
PERSISTENT ULCER RESULTING FROM AN IXODID TICK BITE. 1966, 4p, 3refs. NAMRU-3-Trans-194; NIH-6-77-66; AD-660 152.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 152

Trans. of Meditsinskaya Parazitologiya i Parazitarnye Bolezni (USSR) v11 n5 p51-3 1942.

TT-67-63201 Field 6E

Klyushkina, E. A.
TICKS (PARASITIFORMES IXODIDAE) ON PEOPLE. 1966, 3p, refs. NAMRU-3-Trans-195; NIH-6-71-66; AD-660 151.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 151

Trans. of Meditsinskaya Parazitologiya i Parazitarnye Bolezni (USSR) v33 n6 p742-3 1964.

TT-67-63204 Field 6E

Leshchinskaya, E. V.; Egorova, P. S.
DATA FROM OBSERVATIONS OF POST-HOSPITALIZED PATIENTS RECOVERED FROM CRIMEAN TYPE HEMORRHAGIC FEVER. 1966, 2p. NAMRU-3-Trans-167; NIH-2-60-66;

AD-660 165.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 165

Trans. of mono. Tick-borne Encephalitis, Kemerovo Tick-borne, Hemorrhagic Fevers, and other Arbovirus Infections, Moscow, 1964 p270.
Scientific Conference of the Inst. of Poliomyelitis and Encephalitis (no. 11), Abstracts of Papers.

TT-67-63207 Field 6E

Leshchinskaya, E. V.
DIFFERENTIAL DIAGNOSIS OF HEMORRHAGIC FEVER OF THE CRIMEAN TYPE. 1966, 3p.
NAMRU-3-Trans-168; NIH-2-59-66; AD-660 163.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 163

Trans. of mono. Tick-borne Encephalitis, Kemerovo Tick-borne Fever, Hemorrhagic Fevers, and other Arbovirus Infections, Moscow, 1964 p268-70.
Scientific Conference of the Inst. of Poliomyelitis and Encephalitis (no. 11), Abstracts of Papers.

TT-67-63208 Field 6E

Savulev, Yu. I.
SOME MORPHOLOGIC CHANGES IN THE BRAIN AND INTERNAL ORGANS IN WHITE RATS UNDER THE INFLUENCE OF BLOOD SERUM FROM SCHIZOPHRENIA PATIENTS. Tr. by P. DePorte. 9 Oct 67, 12p, refs. NIH-10-9-67.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63208

Trans. of Zhurnal Nevropatologii i Psikhiatrii (USSR) v67 n6 p929-36 1967.

F. Environmental biology

TT-67-33733 Field 6F

Muromtsev, G. S.
MICROBIAL SYNTHESIS OF PESTICIDES.
25 Oct 67, 10p, refs. JPRS-43108.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43108

Trans. of Vsesoyuznaya Akademiya Selskokhozyaistvennykh Nauk. Doklady (USSR) n8 p11-4 1967.

TT-67-63156 Field 6F

Wicke, E.; Friz, H.
THE DISSOCIATION ENERGY OF FLUORINE BY THE EXPLOSION METHOD (Die Dissoziationsenergie des Fluors nach der Explosionsmethode). Tr. by Elmar K. Wilip. Jul 67, 21p, refs. ANL-Trans-501.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as ANL-Trans-501

Trans. of Zeitschrift fuer Elektrochemie (West Germany) v57 n1 p9-16 1953.

TT-67-63176 Field 6F

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DIFFUSION OF CARBON IN TANTALUM. 1967, 10p, refs. LA-tr-67-71.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as LA-tr-67-71

Trans. of Nihon Kinzoku Gakkaishi (Japan) v30 p1137-40 1966.

TT-67-63191 Field 6F, 6C

Zimina, Yu. V.; Ivanova, N. A.
ON THE QUESTION OF SPECIES COMPOSITION AND NUMBERS OF IXODID TICKS IN FOCI OF TICK-BORNE HEMORRHAGIC FEVER IN ASTRAKHAN OBLAST. 1966, 3p.
NAMRU-3-Trans-170; NIH-2-98-66; AD-660 161.
Order from CFSTI of ETC: HC$3.00, MF$0.65 as AD-660 161

Trans. of mono. Tick-borne Encephalitis, Kemerovo Tick-borne Fever, Hemorrhagic Fevers, and other Arbovirus Infections, Moscow, 1964 p274-7.
Scientific Conference of the Inst. of Poliomyelitis and Encephalitis (no. 11), Abstracts of Papers.

TT-67-63192 Field 6F, 6C

Berezin, V. V.
ON THE QUESTION OF HOSTS OF IMMATURE STAGES OF HYALOMMA PLUMBEUM PANZ: THE VECTOR OF HEMORRHAGIC FEVER IN ASTRAKHAN OBLAST. 1966, 2p.
NAMRU-3-Trans-171; NIH-2-29-66; AD-660 160.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 160

Trans. of mono. Tick-borne Encephalitis, Kemerovo Tick-borne Fever, Hemorrhagic Fevers, and other Arbovirus Infections, Moscow, 1964 p77-8.
Scientific Conference of the Inst. of Poliomyelitis and Encephalitis (no. 11), Abstracts of Papers.

TT-67-63193 Field 6F, 6C

Povalishina, T. P.; Zimina, Yu. V.; Berezin, V.V.; Stolbov, D. N.; Ivanova, N. A.
LANDSCAPE CHARACTERISTICS OF FOCI OF CRIMEAN TYPE HEMORRHAGIC FEVER IN ASKRAKHAN OBLAST. 1966, 4p.
NAMRU-3-Trans-172; NIH-2-81-66; AD-660 158.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 158

Trans. of mono. Tick-borne Encephalitis, Kemerovo Tick-borne Fever, Hemorrhagic Fevers, and other Arbovirus Infections, Moscow, 1964 p278-81.
Scientific Conference of the Inst. of Poliomyelitis and Encephalitis (no. 11), Abstracts of Papers.

TT-67-63202 Field 6F, 6C

Sartbaev, S. K.
MATERIALS ON THE BIOLOGY OF CERTAIN TICKS OF THE GENUS HAEMAPHYSALIS IN KIRGIZ SSR. 1966, 12p, refs. NAMRU-3-Trans-201; NIH-6-84-66; AD-660-149.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 149

Trans. of Akademiya Nauk Kirgizskoi SSR, Frunze. Institut Zoologii i Parazitologii. Trudy, n7 p191-202 1959.

TT-67-63203 Field 6F, 6C

Ogandzhanyan, A. M.; Martirosyan, B. A.
OCCURRENCE OF HAEMAPHYSALIS WARBURTONI NUTT. (ACARINA, IXODIDAE) IN ARMENIA. 1966, 4p, refs. NAMRU-3-Trans-206; NIH-6-80-66; AD-660 148.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 148

Trans. of Akademiya Nauk Armyanskoi SSR, Erevan. Izvestiya. Biologicheskie Nauki, v18 n4 p69-72 1965.

TT-67-63205 Field 6F, 6C

Povalyshina, T. P.; Stolbov, D. N.; Zimina, Yu. V.; Egorov, P. S.; Berezin, V. V.
PARASITOLOGICAL INFORMATION ON FOCI OF INCIDENCE OF CRIMEAN TYPE HEMORRHAGIC FEVER IN ASTRAKHAN OBLAST. 1966, 4p. NAMRU-3-Trans-169; NIH-2-82-66; AD-660 162.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 162

Trans. of mono. Tick-borne Encephalitis, Kemerovo Tick-borne Fever, Hemorrhagic Fevers, and other Arbovirus Infections, Moscow, 1964 p271-4.
Scientific Conference of the Inst. of Poliomyelitis and Encephalitis (no. 11), Abstract of Papers.

TT-67-63206 Field 6F, 6C, 6E

Netski, G. I.; Ravdonikas, O. V.
PREMISES FOR DIVISION OF THE WESTERN SIBERIAN LOWLANDS INTO EPIDEMIOLOGICAL LANDSCAPE REGIONS WITH REGARD TO TICK-BORNE ENCEPHALITIS. 1966, 15p. NAMRU-3-Trans-164; NIH-2-77-66; AD-660 166.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 166

Trans. of Akademiya Nauk Kazakhskoi SSR, Alma-Ata. Institut Zoologii. Trudy, v12 p30-42 1960.

H. Food

NCH-212 481 Field 6H

Volker, H. H.
PROBLEMS IN THE PREPARATION AND USE OF DEXTROSE FONDANT. 31 Oct 67, 16p. TC-4540.
Order from TC: $11.00 as TC-4540

Trans. of die Starke (West Germany) v18 n11 p354-9 1966.

TT-66-57055 Field 6H, 8A, 8H

Laszczynski, S.; Lukasiewicz, B.; Daszkowska, M.
POLISH FISHERIES STATISTICS IN 1920-1960 (Statystyki Rybolowstwa Polskiego w Latach 1920-1960). Tr. by Jerzy Bachrach. 1967, 37p. SFCSI-Int(TT-66-57055).
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-57055

Trans. of Morski Instytut Rybacki. Prace (Poland) n12B p299-334 1964.

TT-67-25145 Field 6H

Volper, I. N.
POWDERED FAT FOR CONCENTRATED FOODS. 1967, 4p.
Order from ETC: $2.00, or SLA as ETC-67-25145

Trans. of Konservnaya i Ovoshchesushilnaya Promyshlennost (USSR) v15 n4 p19-20 1960.

J. Industrial (occupational) medicine

TT-67-33800 Field 6J, 5J

Kikolov, A. I.
MENTAL AND EMOTIONAL STRESS BEHIND A CONTROL BOARD: SELECTED PARTS. 30 Oct 67, 22p. JPRS-43175.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43175

Trans. of mono. Umstvenno-Emotsionalnoe Napryazhenie za Pultom Upravleniya, Moscow, 1967 p3-6, 26-41, 163-71.

L. Medical and hospital equipment

TT-67-33528 Field 6L

Perelmuter, A. S.; Kovsharova, L. A.
NEW SOVIET MEDICAL APPARATUS. 9 Oct 67, 19p. JPRS-42902.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42902

Trans. of Meditsinskaya Tekhnika (USSR) n4 p13-8, 21-6 1967.
For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

M. Microbiology

NCH-212 545 Field 6M

Russe, M.
ELECTROPHORETIC CHARACTERIZATION OF VIRUS-INDUCED INTERFERON FROM RABBIT SERUM AND URINE. 1 Nov 67, 8p. TC-4649A.
Order from TC: $5.50 as TC-4649A

Trans. of Societa Italiana di Biologia Sperimentale, Naples. Bollettino, v43 n11 p593-5 1967.

TT-67-63066 Field 6M

Vorobev, A. A.; Voronova, Z. A.
STUDIES ON SOME FACTORS INFLUENCING THE RELIABILITY OF BOTULINE AND TETANUS ANATOXIN TITERS ACCORDING TO THE FLOCCULATION REACTION. Tr. by Edward Lachowicz. 1967, 13p. NIH-2-95-66.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63066

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TT-67-63083 Field 6M, 6E, 6F

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TT-67-63093 Field 6M

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COLLECTING BOTULINAL TOXIN AEROSOLS WITH THE AID OF FOAM-GELATINE FILTER. Tr. by Edward Lachowicz. 1967, 4p (figs omitted). NIH-2-55-66.
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For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

TT-67-63108 Field 6M, 6E

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EFFECT OF SUBLETHAL DOSES OF BOTULINAL TOXIN ON THE ORGANISM FOLLOWING MULTIPLE ADMINISTRATIONS. Tr. by Edward Lachowicz. 1967, 19p, refs. NIH-6-74-66.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63108

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TT-67-63111 Field 6M, 6E

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63111

Trans. of Vrachebnoe Delo (USSR) n12 p91-4 1962.

TT-67-63114 Field 6M, 13B

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QUICK DIAGNOSIS AND SANITARY EXPERTISE OF WATER CONTAMINATED BY PATHOGENIC MICROBES OR THEIR TOXINS. Tr. by Edward Lachowicz. 1967, 8p, refs. NIH-2-74-66.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63114

Trans. of Nauchno-Issledovatelskii Institut Vaktsin i Syvorotok, Tomsk. Trudy (USSR) v12 p140-4 1960.

TT-67-63118 Field 6M, 6E

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Q. Protective equipment

TT-67-62711 Field 6Q, 6S

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Order from CFSTI HC$3.00 as AD-299 617

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R. Radiobiology

TT-67-33702 Field 6R, 5J

Voevodina, O. E.
EFFECT OF IONIZING RADIATION ON CONDITIONED REFLEX ACTION. 24 Oct 67, 23p, refs. JPRS-43077.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43077

Trans. of mono. Otdalenye Rezultaty Vozdeistviya Luchei Rentgena na Vysshuyu Nervnuyu Deyatelnost Sobak, Leningrad, 1967 p147, 3-8, 115-28. Remote Results of the Effect of Roentgen Rays on the Higher Nervous Activity of Dogs.

TT-67-63182 Field 6R, 20H

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CONTRIBUTION TO THE DOSIMETRY OF PI MESONS. Tr. by A. B. Herrmann. Apr 67, 41p. UCRL-Trans-1351.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as UCRL-Trans-1351

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S. Stress physiology

TT-67-63140 Field 6S, 5J

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TYPES OF VEGETATIVE SHIFTS IN MAN DURING EMOTIONAL STRESS. Tr. by Z. Knowles. 5 Oct 67, 8p, refs. NIH-10-4-67.
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T. Toxicology

TT-67-63078 Field 6T, 6H

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DETECTION OF BOTULINAL TOXIN IN CANNED FOODS WITH THE AID OF BOYDEN'S INDIRECT HEMAGGLUTINATION REACTION. Tr. by Edward Lachowicz. 1967, 3p. NIH-6-54-66.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63078

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TT-67-63088 Field 6T, 6E

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DETECTION OF BOTULINAL TOXIN AND TYPE A MICROBE IN THE ORGANISM OF SICK ANIMALS AND IN THE ORGANS OF CADAVERS. Tr. by Edward Lachowicz. 1967, 16p, refs. NIH-2-88-66.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63088

Trans. of Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) v33 n5 p96-102 1962.

TT-67-63089 Field 6T, 6E

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TT-67-63090 Field 6T, 6E

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PATHOMORPHOLOGICAL CHANGES IN RABBIT ORGANS ACTUATED BY BOTULISM MICROBES AND TYPE A AND B BOTULINAL TOXINS. Tr. by Edward Lachowicz. 1967, 16p (figs omitted) refs. NIH-2-92-66.
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Trans. of Vrachebnoe Delo (USSR) n12 p95-101 1962.

TT-67-63098 Field 6T, 6A

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63098

Trans. of Farmakologiya i Toksikologiya (USSR) v25 n5 p614-8 1962.

TT-67-63099 Field 6T, 6H

Mazokhina, N. N.
DEVELOPMENT OF BOTULISM MICROBE IN CANNED FOODS FOR CHILDREN. Tr. by Edward Lachowicz. 1967, 7p. NIH-6-75-66.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63099

Trans. of Konservnaya i Ovoshchesushilnaya Promyshlennost (USSR) v17 n1 p31-3 1962.

TT-67-63116 Field 6T

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MULTIPLE PROPERTIES OF CL. BOTULINUM TOXIN. 1967, 7p. NIH-2-72-66.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63116

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TT-67-63125 Field 6T, 6E

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ON THE MECHANISM OF DEVELOPED PARALYSES IN COLD-BLOODED ANIMALS (FROGS) IN EXPERIMENTAL BOTULISM. Tr. by Edward Lachowicz. 1967, 9p (figs omitted) refs. NIH-2-69-66.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-63125

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07 CHEMISTRY

TT-66-59000/2 Field 7-

Dimitrijevic, D. M., ed.
BULLETIN OF THE CHEMICAL SOCIETY, BELGRADE, VOL. 31, NO. 2, 1966. Tr. by Aleksandra Stojiljkovic. 1966, 76p, refs. SFCSI-Comm(TT-66-59000/2).
Order from CFSTI: HC$3.00, MF$0.65 as TT-66-59000/2

Trans. of Srpsko Hemisko Drustvo, Belgrad. Glasnik (Yugoslavia) v31 n2 p49-123 1966.
For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

TT-67-33606 Field 7-

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42980

TT-67-33762 Field 7-

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43137

A. Chemical engineering

NCH-212 387 Field 7A

Heyde, T. W.
INDUSTRIAL APPLICATIONS OF ELECTROLYSIS. 18 Oct 67, 5p. TC-4294.
Order from TC: $4.50 as TC-4294

Trans. of Chemische en Pharmaceutische Techniek (Netherlands) v19 n11 p509-12 1964.

NCH-212 402 Field 7A

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THE INFLUENCE OF VARIOUS CRACKING PROCESSES ON THE PRODUCT STRUCTURE OF A REFINERY. 18 Oct 67, 16p. TC-4404.
Order from TC: $16.00 as TC-4404

Trans. of Erdoel und Kohle-Erdgas-Petrochemie (West Germany) v20 n2 p78-82 1967.

NCH-212 417 Field 7A

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CRYSTALLIZED POLYETHYLENETEREPHTHALATE, A NEW MATERIAL FOR TECHNOLOGY. 18 Oct 67, 22p. TC-4567.
Order from TC: $17.00 as TC-4567

Trans. of Kunststoffe (West Germany) v57 n1 p31-7 1967.

NCH-212 442 Field 7A

Neurath, G.
THE PROBLEM OF THE OCCURRENCE OF N-NITROSO-COMPOUNDS IN TOBACCO SMOKE. 18 Oct 67, 9p. TC-4370.
Order from TC: $9.50 as TC-4370

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NCH-212 452 Field 7A

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ON THE MECHANISM OF EXTRACTION OF HYDRO-CHLORIC ACID BY TRIBUTYL PHOSPHATE. 31 Oct 67, 19p. TC-4295.
Order from TC: $17.50 as TC-4295

Trans. of Chemicky Prumysl (Czechoslovakia) v16 p641-7 1966.

NCH-212 453 Field 7A

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ANODIC DISINTEGRATION OF GRAPHITIZED ELECTRODES DURING ELECTROLYSIS. 31 Oct 67, 22p. TC-4300.
Order from TC: $17.50 as TC-4300

Trans. of Chemia Stosowana. Seria A: Kwartalnik Poswiecony Zagadnieniom Technologii Chemicznej (Poland) 7a n4 p551-66 1963.

NCH-212 454 Field 7A

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DECREASING LOSSES OF ELECTROLYTIC MERCURY. 31 Oct 67, 9p. TC-4304.
Order from TC: $8.50 as TC-4304

Trans. of Chemik (Poland) v16 n4 p127-9 1963.

NCH-212 460 Field 7A

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THE EFFECT OF GLASS FIBER ON THE TRANSITION TEMPERATURES OF POLYSTYRENE AND POLYMETHYLMETACRYLLATE. 31 Oct 67, 11p. TC-4378.
Order from TC: $9.50 as TC-4378

Trans. of Khimichna Promyslovist (USSR) n5 p11-4 1966.

NCH-212 469 Field 7A, 7D

Capdevila, C.
NEW CONTRIBUTIONS TO THE SPECTROGRAPHIC DETERMINATION OF IMPURITIES IN URANIUM MATERIALS BY THE METHOD OF FRACTIONAL DISTILLATION WITH CARRIER. 31 Oct 67, 25p. TC-4436.
Order from TC: $15.00 as TC-4436

Trans. of Sociedad Espanola de Fisica y Quimica. Anales, v63b n1 p155-68 1967.

NCH-212 471 Field 7A

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DRYING OF LIQUEFIED GASES BY MEANS OF SYNTHETIC ZEOLITES. 31 Oct 67, 4p. TC-4718.
Order from TC: $4.00 as TC-4718

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For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

NCH-212 475 Field 7A

Valer, A.
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Order from TC: $14.00 as TC-4512

Trans. of Chemicky Prumysl (Czechoslovakia) v16 n12 p705-9 1966.

NCH-212 478 Field 7A

Motonobut Minagawa; Tadao Ueda
PROPERTIES OF CARBOXYLIC TYPE CATION EXCHANGE MEMBRANE DIAPHRAGM FOR BRINE ELECTROLYSIS. 31 Oct 67, 21p. TC-4522.
Order from TC: $17.00 as TC-4522

Trans. of Denki Kagaku (Japan) v34 p892-7 1966.

NCH-212 479 Field 7A

Matskevych, E. S.; Ivanova, L. S.
EXCHANGE RATE OF IONS WITH IDENTICAL SIGNS IN THE STATE OF AN ADSORPTION EQUILIBRIUM OF THE SYSTEM CARBON-ELECTROLYTE. 31 Oct 67, 8p. TC-4524.
Order from TC: $6.50 as TC-4524

Trans. of Akademiya Nauk URSR, Kiev. Dopovidi, p218-22 1965.

NCH-212 498 Field 7A

Ersepke, Z.; Baranek, J.
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Order from TC: $7.00 as TC-4302

Trans. of Chemicky Prumysl (Czechoslovakia) v16 p496-7 1966.

NCH-212 525 Field 7A, 14B

Werner, U.
ON THE DETERMINATION OF THE FLOW CURVES OF PLASTIC MELTS WITH THE TUBE VISCOSIMETER. 1 Nov 67, 16p. TC-4628.
Order from TC: $13.00 as TC-4628

Trans. of Chemie-Ingenieur-Technik (West Germany) v37 n2 p117-22 1965.

NCH-212 526 Field 7A

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Order from TC: $19.50 as TC-4643

Trans. of Chemie-Ingenieur-Technik (West Germany) v39 n9/10 p539-48 1967.

NCH-212 543 Field 7A

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Order from TC: $16.50 as TC-4641

Trans. of Chemie-Ingenieur-Technik (West Germany) v39 n9/10 p531-8 1967.

NCH-212 548 Field 7A, 11F

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PROBLEMS OF CHEMICAL CORROSION IN HIGH PRESSURE TECHNOLOGY. 1 Nov 67, 18p. TC-4642.
Order from TC: $14.50 as TC-4642

Trans. of Chemie-Ingenieur-Technik (West Germany) v39 n9/10 p525-30 1967.

NCH-212 554 Field 7A

Schmadt, G.
QUESTIONS OF DIMENSIONING OF PHOSPHORUS FURNACES OF HIGH CAPACITY. 1 Nov 67, 12p. TC-4668.
Order from TC: $12.00 as TC-4668

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NCH-212 610 Field 7A

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Order from STA

Trans. of Chemicke Zvesti (Czechoslovakia) v21 n6 p401-9 1967.

NCH-212 616 Field 7A, 13H

Jirele, V.
BERYLLIUM EXTRACTION FROM POWER PLANT WASTES (Extrakce Berylia z Energetickych Odpadu). 1967, 1300wds, 6refs.
Order from STA

Trans. of Chemicky Prumysl (Czechoslovakia) n4 p175-9 1967.

NCH-212 624 Field 7A, 13B

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PREPARATION AND PROPERTIES OF CATION EXCHANGERS CONTAINING REDUCED SILVER (Priprava a Vlastnosti Katexu Obsahujicich Vyredukovane Stribro). 1967, 2500wds, 21refs.
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NCH-212 626 Field 7A

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ANALYSIS OF NON-ISOTHERMAL KINETIC DATA. II. APPLICATION OF WILSON'S ANALYSIS OF AXIAL TEMPERATURE PROFILE IN ISENTHALPIC REACTOR. (Rozbor Neizotermnich Kinetickych dat. II. K Aplikaci Wilsonova Rozboru Axialniho Teplotniho Profilu Neizotermniho Neadiabatickeho Reaktoru). 1967, 2700wds, 10refs.
Order from STA

Trans. of Chemicky Prumysl (Czechoslovakia) n5 p249-53 1967.

TT-67-25705 Field 7A

Byrtus, F.
EFFECT OF OIL ADDITION ON DENSITY AND COMPACTION OF RAMMED COAL BLENDS. 1967, CRL/T-2379.
Order from CFR as T.2379

Trans. of Koks, Smola, Gaz (Poland) v10 n3 p96-100 1965.

TT-67-25706 Field 7A

Haseba, S.
MANUFACTURE OF PITCH COKE. 1967. CRL/T-2070.
Order from CRL as T.2070

Trans. of Nenryo Kyokai Shi (Japan) v43 n447 p532-43 1964.

TT-67-26125 Field 7A

Malyusov, V. A.
HIGH-SPEED UNIFLOW RECTIFICATION IN A LABORATORY COLUMN. 1967, 11p, refs. MTWL-1435.
Order from ETC: $2.00 or SLA as ETC-67-26125

Trans. of Khimicheskaya Promyshlennost (USSR) n11 p856-9 1966.

TT-67-33658 Field 7A, 21D, 11H

EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 402. 19 Oct 67, 18p. JPRS-43033.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43033

TT-67-33719 Field 7A, 13I

USSR INDUSTRIAL DEVELOPMENT: CHEMICAL INDUSTRY AND MACHINERY NO. 63. 25 Oct 67, 10p. JPRS-43094.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43094

TT-67-33737 Field 7A, 21D

EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 404. 25 Oct 67, 36p.

JPRS-43112.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43112

TT-67-33754 Field 7A, 13I

USSR INDUSTRIAL DEVELOPMENT: CHEMICAL INDUSTRY AND MACHINERY NO. 64. 27 Oct 67, 9p. JPRS-43129.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43129

TT-67-63153 Field 7A

Bayer, E.; Fiedler, H.
MACROMOLECULAR ORGANIC-COMPLEX COMPONENTS FOR CONCENTRATING URANIUM AND COPPER IN SEA WATER. Tr. by Walter Oppenheimer, 5 Aug 67, 2p, 4refs. WAPD-Trans-69.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as WAPD-Trans-69

Trans. of Angewandte Chemie (West Germany) v72 n23 p921 1960.

TT-67-63167 Field 7A

PROPERTIES OF THE A. A. F. L. METALLIC HEAT INSULATION. Tr. by Gregory L. Boisvert. 9 Jan 67, 24p. ORNL-tr-1688.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as ORNL-tr-1688

Trans. of Unidentified rept. n.p., BGC/2 648/MB/MD n.d.

B. Inorganic chemistry

NCH-212 390 Field 7B

Haitinger, L.
THE ACTION OF SULFUR ON SODIUM PHENATE. 18 Oct 67, 15p. TC-4337.
Order from TC: $9.00 as TC-4337

Trans. of Monatshefte fuer Chemie (Austria) v4 p484-94 1883.

NCH-212 491 Field 7B

Capron-Cotigny, G.; Poiblanc, R.
PROOF OF TWO ISOMERIC SERIES OF SUBSTITUTION DERIVATIVES OF DICOBALT OCTACARBONYL. 31 Oct 67, 2p. TC-4590.
Order from TC: $2.50 as TC-4590

Trans. of Societe Chimique de France. Bulletin, n4 p1440 1967.

NCH-212 495 Field 7B

Wodtchke, F.
THE ROLE OF SILICIC ACID IN THE THERMAL PREPARATION OF PHOSPHORUS FROM APATITE. 31 Oct 67, 11p. TC-4741.
Order from TC: $9.50 as TC-4741

Trans. of Zeitschrift fuer Chemie (East Germany) v1 n7 p207-11 1961.

NCH-212 603 Field 7B, 11F

Steffek, M.
ANALYSIS OF HIGH-PURITY METALS. IX. DETERMINATION OF LEAD AND COPPER IN HIGH-PURITY CADMIUM. X. DETERMINATION OF COPPER IN HIGH-PURITY ZINC. XI. DETERMINATION OF BISMUTH IN HIGH-PURITY ANTIMONY AND TIN (Analysa Vysoce Cistych Kovu. IX. Stanoveni Olova a Medi ve Vysoce Cistem Kadmiu. X. Stanoveni Medi ve Vysoce Cistem Zinku. XI. Stanoveni Vizmutu ve Vysoce Cistem Antimonu a Cinu). 1967, 2000wds, 4refs.
Order from STA

Trans. of Chemicke Listy (Czechoslovakia) v61 n5 p654-9 1967.

NCH-212 608 Field 7B

Novak, J.
THE USE OF DECOMPOSITION UNDER ELEVATED PRESSURE IN INORGANIC ANALYSES (Pouziti Rozkladu za Tlaku v Anorganicke Analyse). 1967, 5000wds, 47refs.
Order from STA

Trans. of Chemicke Listy (Czechoslovakia) v61 n5 p581-91 1967.

NCH-212 612 Field 7B, 8D

Matherny, M.; Pliesovska, N.
SPECTROCHEMICAL DETERMINATION OF MAIN AND SIDE COMPONENTS OF LIMESTONE (Spektrochemicke Stanovenie Hlavnych a Vedlajsich Zloziek Vapencov). 1967, 2400wds, 18refs.
Order from STA

Trans. of Chemicke Zvesti (Czechoslovakia) v21 n6 p417-26 1967.

NCH-212 617 Field 7B

Hanus, J.
DETERMINATION OF COBALT, MANGANESE, LEAD, ZINC AND CALCIUM IN NAPHTHENATE MIXTURES (Stanoveni Kobaltu, Manganu, Olova, Zinku a Vapniku ve Smesich Naftenatu). 1967, 1200wds, 3refs.
Order from STA

Trans. of Chemicky Prumysl (Czechoslovakia) n4 p215-6 1967.

TT-67-25702 Field 7B

Yoshida, H.
SPECTROPHOTOMETRIC DETERMINATION OF TELLURIUM (IV) WITH TETRAETHYLTHIURUM DISULPHIDE. CRL/T-2076.
Order from CRL as T.2076

Trans. of Bunseki Kagaku (Japan) v11 p649-54 1962.

TT-67-25720 Field 7B

Tananaev, N. A.
DETERMINATION OF SELENIUM IN STEEL. 1967. CRL/T-2154.
Order from CRL as T.2154

Trans. of Zhurnal Analiticheskoi Khimii (USSR) v3 n1 p3-6 1948.
For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

TT-67-63073 Field 7B, 20B

Narbutt, K. I.
X-RAY ABSORPTION SPECTRA OF ZINC IN MOLECULES OF ZnC12, ZnBr2, AND ZnS. Jan 54, 5p. NFS-tr-187; AD-26 982.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-26 982

Trans. of Akademiya Nauk SSSR. Doklady, v92 p273-5 1953.

C. Organic chemistry

NCH-212 379 Field 7C

Malinowski.
ORGANOMETALLIC COMPLEXES AND THEIR USE AS REACTION CATALYSTS. 18 Oct 67, 24p. TC-4236.
Order from TC: $18.00 as TC-4236

Trans. of Association Francaise des Techniciens du Petrole. Revue, n180 p29-41 1966.

NCH-212 380 Field 7C

Pickler, H.
RECENT DEVELOPMENTS IN THE AREA OF SYNTHESIS OF HYDROCARBONS FROM CARBON MONOXIDE AND HYDROGEN. 1967, 16p. TC-4237.
Order from TC: $15.00 as TC-4237

Trans. of Chemische Technik (East Germany) v18 n7 p392-6 1966.

NCH-212 381 Field 7C

Samodumov, S. A.
NATURE OF THE THIRD MACROSTAGE OF MESITYLENE OXIDATION INITIATED BY COBALT BROMIDE. 18 Oct 67, 4p. TC-4239.
Order from TC: $5.00 as TC-4239

Trans. of Akademiya Nauk URSR, Kiev. Dopovidi. Seriya B: Geologiya, Geofizika, Khimiya pa Biologiya, v29 n3 p251-3 1967.

NCH-212 396 Field 7C

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NCH-212 407 Field 7C, 7D

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NCH-212 414 Field 7C

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NCH-212 456 Field 7C

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NCH-212 466 Field 7C

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Order form TC: $14.00 as TC-4434

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NCH-212 473 Field 7C, 11I

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NCH-212 480 Field 7C

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NCH-212 532 Field 7C

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NCH-212 538 Field 7C

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NCH-212 601 Field 7C, 5B

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NCH-212 611 Field 7C, 7D

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NCH-212 620 Field 7C, 11I

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NCH-212 621 Field 7C

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D. Physical chemistry

NCH-212 378 Field 7D

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NCH-212 382 Field 7D

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Order from TC: $28.00 as TC-4259

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NCH-212 388 Field 7D

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NCH-212 389 Field 7D

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NCH-212 391 Field 7D

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NCH-212 392 Field 7D

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NCH-212 393 Field 7D, 7C

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CHANGES OF POTENTIAL DURING THE COURSE OF POLYMERIZATION REACTIONS INITIATED BY REDOX SYSTEMS. II, THE POLYMERIZATION OF ACRYLAMIDE AND ACRYLONITRILE. 18 Oct 67, 14p. TC-4346.
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NCH-212 394 Field 7D

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Order from TC: $3.00 as TC-4347

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NCH-212 397 Field 7D

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NCH-212 405 Field 7D

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Order from TC: $3.50 as TC-4419

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NCH-212 408 Field 7D

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NCH-212 415 Field 7D

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Order from TC: $3.50 as TC-4533

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NCH-212 421 Field 7D

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NCH-212 422 Field 7D

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NCH-212 451 Field 7D

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NCH-212 455 Field 7D, 19D

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NCH-212 476 Field 7D

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NCH-212 477 Field 7D

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Order from TC: $3.50 as TC-4520

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NCH-212 499 Field 7D

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NCH-212 504 Field 7D

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Order from TC: $9.00 as TC-4516

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NCH-212 542 Field 7D

Boldyrev, V. V.
EFFECT OF IMPURITIES ON THE INITIAL STAGE OF THERMOLYSIS AND PHOTOLYSIS PROCESSES FOR SILVER OXALATE. 1 Nov 67, 7p. TC-4611.
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NCH-212 559 Field 7D

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Order from TC: $7.50 as TC-4721

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NCH-212 604 Field 7D, 20F

Tardon, S.
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NCH-212 607 Field 7D

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NCH-212 609 Field 7D

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NCH-212 614 Field 7D

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NCH-212 615 Field 7D, 7C, 7A

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NCH-212 619 Field 7D

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Order from STA

Trans. of Chemicky Prumysl (Czechoslovakia) n4 p213-4 1967.

NCH-212 622 Field 7D

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TT-67-25139 Field 7D

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Order from ETC: $2.00, or SLA as ETC-67-25139

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TT-67-25142 Field 7D

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Order from ETC: $2.00, or SLA as ETC-67-25142

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TT-67-63017 Field 7D, 20M

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THERMODYNAMIC STUDY OF THE KC1-RbC1-H2O SYSTEM AT 25°, I. Oct 67, 16p, 21refs. PA-TT-62; AD-659 775.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-659 775

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TT-67-63022 Field 7D

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THE DETERMINATION OF TRANSPORT NUMBERS IN THE MELTS OF IONIC CRYSTALS. Jun 67, 7p. BNL-tr-150.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as BNL-tr-150

Trans. of Magyar Kemiai Folyoirat (Hungary) v64 p282-4 1958.

TT-67-63026 Field 7D

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as LA-tr-67-52

Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v241 p1204-7 1955 (pub. by Gauthier-Villers et Cie., Paris).

TT-67-63035 Field 7D

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as ORNL-tr-1741

Trans. of Zeitschrift fuer Physik (West Germany) v88 p209-58 1933.

TT-67-63036 Field 7D

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TT-67-63162 Field 7D

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ELECTROSYNTHESIS OF O_3. XII. EFFECT OF THE LENGTH OF THE REACTION ZONE (Elektrosintez Ozona. XII. Vliyanie Dliny Reaktsionnoi Zony). Tr. by Elmar K. Wilip. Jul 1967, 5p, refs. ANL-Trans-511.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as ANL-Trans-511

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For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

TT-67-63175 Field 7D

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as LA-tr-67-76

Trans. of Zeitschrift fuer Physikalische Chemie, Frankfurt (West Germany) v50 p91-104 1966.

TT-67-63177 Field 7D

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as ORNL-tr-1732

Trans. of die Naturwissenschaften (West Germany) v44 p535-6 1957.

TT-67-63188 Field 7D

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ON THE FLUORITE PHASES IN SYSTEMS CaF2-LaF3, SrF2-LnF3, AND BaF2-LnF3 (O Flyuoritovykh Fazakh v Sistemakh CaF2-LnF3, SrF2-LnF3, and BaF2-LnF). Tr. by A. M. A. Mincer. Jul 67, 14p,

refs. UCRL-Trans-10114.
Order from CFSTI or ETC: HC$3.00, MF$0.65
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Trans. of Neorganicheskie Materialy (USSR) v3 p73-7 1967.

TT-67-63245 Field 7D, 4A, 3B

Kozhevnikov, N. I.
COMPARING ELSASSER AND GOODY MODELS OF SPECTRAL ABSORPTION BAND OF INFRARED RADIATION BY WATER VAPORS (Sravnenie Modelei Elzassera i Gudi Spektralnoi Polosy Pogloshcheniya Infrakrasnoi Radiatsii Parami Vody). Tr. by L. Marokus. 1 May 67, 12p. FTD-HT-66-617; AD-660 434.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as AD-660 434

Trans. of Moscow Univ. Gosudarstvennyi Astronomicheskii Institut. Soobshcheniya (USSR) n131 p3-9 1964.

E. Radio and radiation chemistry

NCH-212 395 Field 7E

Chaikhorskii, A. A.
A STUDY OF COMPLEX FORMATION IN NON-AQUEOUS SOLUTIONS. 18 Oct 67, 19p. TC-4377.
Order from TC: $13.50 as TC-4377

Trans. of Radiokhimiya (USSR) v8 n2 p163-71 1966.

NCH-212 412 Field 7E

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LOSS OF MERCURY AND ITS PREVENTION IN THE MEASUREMENT OF RADIOACTIVE-MERCURIC SALTS. 18 Oct 67, 9p. TC-4515.
Order from TC: $9.00 as TC-4515

Trans. of Yakugaku Zasshi (Japan) v84 n7 p687-90 1964.

NCH-212 461 Field 7E

Hanle, W.; Rau, K. H.
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NCH-212 600 Field 7E

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TT-67-63142 Field 7E

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ACIDIMETRIC DETERMINATION OF FREE ACID AND URANIUM IN NITRIC ACID SOLUTIONS IN THE PRESENCE OF PLUTONIUM IV. Nov 66, 13p, refs. EURFNR-280.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as EURFNR-280

Trans. of Kernforschungszentrum, Karlsruhe. Rept. (West Germany) KFK-503 Nov 1966.

TT-67-63232 Field 7E, 20I

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EXCITED PARTICLES AND THEIR ROLE IN ELEMENTARY PROCESSES OF RADIATION CHEMISTRY AND PLASMA CHEMISTRY. 18 Aug 67, 18p, 9refs. FTD-MT-65-541; AD-660 408.
Order from CFSTI or ETC: HC$3.00, MF$0.65
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Edited machine trans. of mono. Vozbuzhdennye Chastitsy i ikh Pol v Elementarnykh Protsessakh Radiatsionnoi Khimii i Khimii Plazmy, Moscow, 1965, 10p, also pub. as Mezhdunarodnyi Simpozium po Svoistvam i Primeneniyu Nizkotemperaturnoi Plazmy. Mezhdunarodnyi Kongress po Teoreticheskoi i Prikladnoi Khimii (no. 20), Moscow, 1965.

08 EARTH SCIENCES AND OCEANOGRAPHY

A. Biological oceanography

TT-66-51048 Field 8A, 6C, 8H, 6H

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D. Geochemistry

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G. Geology and mineralogy

NCH-212 492 Field 8G

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TT-67-26399 Field 8G

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TT-67-28480 Field 8G

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TT-67-28487 Field 8G

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TT-67-28496 Field 8G

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TT-67-28497 Field 8G

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TT-67-28498 Field 8G

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Pub. in International Geology Review, Washington, D. C., v9 n8 p1108-13 1967

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For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

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UCRL-Trans-10105.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as UCRL-Trans-10105

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H. Hydrology and limnology

TT-67-28477 Field 8H, 8G

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REPLENISHMENT CONDITIONS AND REGIMEN OF UNDERGROUND WATERS IN CARBONIFEROUS DEPOSITS OF MOSCOW ARTESIAN BASIN. 1967, 2refs.
Pub. in International Geology Review, Washington, D. C., v9 n7 p909-19 1967

Trans. of Sovetskaya Geologiya (USSR) v9 n9 p28-46 1966.
For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

I. Mining engineering

NCH-212 420 Field 8I, 13C

Mordstein, W.
LIGNITE RECOVERY WITH CONVEYOR BELT APPARATUSES. 18 Oct 67, 34p. TC-4600.
Order from TC: $19.00 as TC-4600

Trans. of Energietechnik (East Germany) n11 p353-9 1964.

TT-67-28474 Field 8I

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TT-67-28476 Field 8I, 17J

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USE OF AMPLITUDE RATIOS IN PHASE CORRELATION OF SEISMIC WAVES. 1967, 5refs.
Pub. in International Geology Review, Washington, D. C., v9 n7 p889-908 1967

Trans. of Geologiya i Geofizika (USSR) n5 p65-79 1965.

TT-67-28481 Field 8I

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Pub. in International Geology Review, Washington, D. C., v9 n7 p947-56 1967

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For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

K. Seismology

TT-67-63143 Field 8K

Fischer, E. A.
THE SIGNIFICANCE OF THE ADJOINT FLUX IN REACTOR KINETICS. Jan 67, 45p, refs.
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Order from CFSTI or ETC: HC$3.00, MF$0.65 as EURFNR-282

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L. Snow, ice and permafrost

TT-67-63185 Field 8L

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SURVEY OF METHODS OF CALCULATING THE DRIFT AND CONSOLIDATION OF SEA ICE (Obzor Metodov dreifa i Splochennosti lda v More). Tr. by J. Bradley. Jun 67, 23p. refs. UCRL-Trans-10106.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as UCRL-Trans-10106

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M. Soil mechanics

TT-67-26915 Field 8M

Kawakami, F.
MODULUS OF ELASTICITY AND YIELD STRESS OF COMPACTED SOIL SUBJECTED TO REPEATED STRESS APPLICATION. 1967, 8p.
Order from FS as BR-720

Trans. of Dobuku Gakkai Rombunshu (Japan) n114 p8 1965.

TT-67-33778 Field 8M

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43153

Abstract trans. of T'u Jang T'ung Pao (Chinese People's Republic) n5 p1-65 1962: n1 p1-64; n2 p1-64 1963: n3 p1-64; n4 p1-63 1964.

N. Terrestrial magnetism

TT-67-28486 Field 8N

Strakhov, V. I.
INTERPOLATION AND EXTRAPOLATION OF TWO-DIMENSIONAL MAGNETIC AND GRAVITY ANOMALIES. 1967, 9refs.
Pub. in International Geology Review, Washington, D. C., v9 n8 p1016-24 1967

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Geologiya i Razvedka (USSR) v10 n2 p108-18 1967.

09 ELECTRONICS AND ELECTRICAL ENGINEERING

A. Components

TT-67-33584 Field 9A

Ludwig, F.
EAST EUROPEAN ELECTRONICS AND PRECISION EQUIPMENT INDUSTRIES: TRANSLATIONS NO. 20. Problems Involved in Standardizing Electronic Components. 13 Oct 67, 8p. JPRS-42958.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42958

Trans. of Standardisierung (East Germany) v13 n6/7 p219-21 1967.

TT-67-63135 Field 9A

Prishivalko, A. P.; Kopanik, E. K.
AN INVESTIGATION OF THE EFFECT OF ADJUSTING RESONATOR MIRRORS ON THE EMISSION PARAMETERS (Issledovanie Vliyaniya Yustirovki Zerkal Rezonatora na Parametry Izlucheniya).
Tr. by J. Bernfeld. 28 Feb 67, 11p, 3refs.
FTD-HT-67-28; AD-659 905.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-659 905

Unedited rough draft trans. of Akademiya Navuk BSSR, Minsk. Doklady, v9 n10 p654-8 1965.

B. Computers

TT-67-26423 Field 9B

Vleduts, G. E.
INFORMATION SEARCH SYSTEM OF THE TYPE "YES-NO" BY MEANS OF MANUAL PUNCHED CARDS. 1967. CRL/T-2320.
Order from CRL as T.2320

Trans. of Unidentified Russian language mono., n.p., 1964 n1 p16-22.

TT-67-33429 Field 9B

Piliposyan, A. G.; Davtyan, S. M.
MATHEMATICAL PROBLEMS OF CYBERNETICS AND COMPUTER ENGINEERING (Matematicheskie Voprosy Kibernetiki i Vychislitelnoi Tekhniki, Modelirovanie Protsessov Upravleniya). 28 Sep 67, 46p, 9refs. JPRS-42802.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42802

Trans. of Vychilitelnyi Tsentr, Erevan. Trudy (USSR) n3 p5-40 1965.

TT-67-33496 Field 9B, 13H

Stavitskii, L.; Alferov, P.; Kravets, A.; Dodua, S.; Beisenova, Sh.
USSR INDUSTRIAL DEVELOPMENT: ELECTRONICS AND PRECISION EQUIPMENT NO. 33. Ust Kamenogorsk Automation Instruments Plant: Using Computers in Ukrainian Industry. 9 Oct 67, 20p. JPRS-42870.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42870

Trans. from Kazakhstanskaya Pravda (USSR) 12 Sep p2 1967 and from Rabochaya Gazeta (USSR) 31 Aug p1-3 1967.

TT-67-33667 Field 9B, 5B

Goranskii, G.
AN AUTOMATED DESIGN SYSTEM. 20 Oct 67, 10p. JPRS-43042.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43042

Trans. of Nauka i Tekhnika (Latvian SSR) n4 p2-5 1967.

TT-67-33717 Field 9B

EAST EUROPEAN ELECTRONIC AND PRECISION EQUIPMENT INDUSTRIES: TRANSLATIONS NO. 22. Computer Production in Poland. 24 Oct 67, 6p. JPRS-43092.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43092

Trans. of Przeglad Techniczny (Poland) n40 p1, 11 1967.

TT-67-33741 Field 9B

Courtaud, F.
EAST EUROPEAN ELECTRONIC AND PRECISION EQUIPMENT INDUSTRIES: TRANSLATIONS NO. 23. Computer Industry and Market in East Germany. 26 Oct 67, 9p. JPRS-43116.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43116

Trans. of Usine Nouvelle (France) Sep p121-3 1967.

TT-67-33755 Field 9B, 14B

USSR INDUSTRIAL DEVELOPMENT: ELECTRONICS AND PRECISION EQUIPMENT NO. 38. 27 Oct 67,

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43130

TT-67-63235 Field 9B

Belash, P. M.
FUNDAMENTALS OF COMPUTER ENGINEERING. 27 Mar 67, 464p. FTD-HT-66-636; AD-660 395.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 395

Trans. of mono. Osnovy Vychislitelnoi Tekhniki, Moscow, 1964 329p.

TT-67-63240 Field 9B

Kalyaev, A. V.; Korobkov, R. V.
ON CONSTRUCTION OF SERIAL-PARALLEL DIGITAL-DIFFERENTIAL ANALYZER. 9 Jun 67, 23p. FTD-MT-66-136; AD-660 418.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 418

Trans. of mono. Vychislitelnaya Tekhnika v Upravlenii, Moscow, 1964 p142-52, also pub as Vsesoyuznaya Konferentsiya-Seminar po Teorii i Metodam Matematicheskogo Modelirovaniya, 30 Oktyabra-3 Noyabrya 1962 (no. 3). Sbornik Trudov, Moscow, 1964 p142-52.

C. Electronic and electrical engineering

TT-67-33680 Field 9C

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TT-67-33782 Field 9C

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43157

D. Information theory

TT-67-33526 Field 9D, 6D, 9B

Kharkovskii, A.
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TT-67-33625 Field 9D, 6D

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TT-67-33728 Field 9D, 9B, 12B

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43103

E. Subsystems

TT-67-33799 Field 9E, 5I

Kruzhilin, Yu.
M-20 COMPUTER OUTSMARTS PROGRAMMERS AT CHECKERS. 30 Oct 67, 9p. JPRS-43174.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43174

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TT-67-63170 Field 9E, 18H, 20F

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10 ENERGY CONVERSION (NON-PROPULSIVE)

A. Conversion techniques

TT-67-59024 Field 10A, 10B

Sinitsa, F. I.
EXPERIENCE IN MANUFACTURING THE HYDRAULIC TURBINES FOR KRASNOYARSK HYDRO-ELECTRIC STATION (Iz Opyta Izgotovleniya Gidroturbiny dlya Krasnoyarskoi GES). 1967, 8p. SFCSI-Int(TT-67-59024).
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TT-67-63230 Field 10A, 21E

Sherstyuk, A. N.; Sokolov, A. I.; Lysenko, V. P.
DETERMINATION OF OPTIMUM WIDTH OF UNVANED DIFFUSERS FOR SINGLE-STAGE CENTRIFUGAL SUPERCHARGERS (K Opredeleniyu Optimalnoi Shiriny Bezlopatochnykh Diffuzorov Odnostupenchatykh Tsentrobezhnykh Nagnetatelei). 3 May 67, 17p, 4refs. FTD-HT-66-767; AD-660 405.
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TT-67-63244 Field 10A

Pereverzev, D. A.; Povolotskii, L. V.; Chirkin, N. B.
TEMPERATURE FIELD OF A TURBINE ROTOR COOLED BY VAPOR PASSING THROUGH CIRCULAR CHANNELS IN THE BLADE SHAFTS (Temperaturnoe Pole Rotora Turbini, Okhlazhdaemogo Produvkoi para Cherez Krugiye Kanaly Khvostovikov Lopatok). 3 May 67, 17p, 5refs. FTD-HT-66-743; AD-660 443.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 443

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B. Power sources

TT-67-33474 Field 10B, 5D

USSR INDUSTRIAL DEVELOPMENT: ELECTRIC POWER, FUELS AND RELATED EQUIPMENT NO. 73. 5 Oct 67, 24p. JPRS-42848.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42848

TT-67-33708 Field 10B, 21D

USSR INDUSTRIAL DEVELOPMENT: ELECTRIC POWER, FUELS AND RELATED EQUIPMENT NO. 78. 24 Oct 67, 36p. JPRS-43083.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43083

TT-67-33720 Field 10B, 21D

USSR INDUSTRIAL DEVELOPMENT: ELECTRIC POWER, FUELS AND RELATED EQUIPMENT NO. 79. 25 Oct 67, 31p. JPRS-43095.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43095

TT-67-33740 Field 10B

EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 405. 26 Oct 67, 46p. JPRS-43115.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43115

TT-67-33746 Field 10B, 5A

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43121

TT-67-63243 Field 10B, 9B

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11 MATERIALS

TT-67-33783 Field 11-, 13H

EAST EUROPEAN SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 19. 30 Oct 67, 121p. JPRS-43158.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43158

A. Adhesives and seals

TT-67-33590 Field 11A, 7A, 13F, 11J

EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 401. 16 Oct 67, 19p. JPRS-42964.
Order from CFSTI or ETCE HC$3.00, MF$0.65 as JPRS-42964

B. Ceramics, refractories and glasses

NCH-212 386 Field 11B

Bonnke, M.; Fitzer, E.
PYROLYTIC SILICON CARBIDE. 18 Oct 67, 24p. TC-4288.
Order from TC: $17.00 as TC-4288

Trans. of Deutsche Keramische Gesellschaft. Berichte (West Germany) v43 n2 p180-7 1966.

NCH-212 424 Field 11B

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THE WETTING ANGLE BETWEEN MOLTEN GLASS AND REFACTORY MATERIALS. 1967. BGIRA-684.
Order from BGIRA as BGIRA-684

Trans. of Szklo i Ceramika (Poland) v15 n11 p285-9 1964.

NCH-212 425 Field 11B

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EFFECT OF MINERALISERS ON THE MELTING OF QUARTZ SAND TO PRODUCE FUSED QUARTZ AND ITS RECRYSTALLISATION. 1967. BGIRA-685.
Order from BGIRA as BGIRA-685

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NCH-212 426 Field 11B

Heyndryckx, P.; Bonnan, D.
THE USE OF GAS CHROMATOGRAPHY IN THE ANALYSIS OF GLASS FURNACE ATMOSPHERES. 1967. BGIRA-686.
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NCH-212 427 Field 11B

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NCH-212 428 Field 11B

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C. Coatings, colorants and finishes

NCH-212 435 Field 11C, 13H

Benninghoff, H.
AUTOMATIC PRE-TREATMENT AND COATING OF DYNAMO SHEET. 28 Sep 67. BISI-5626.
Order from BISI: $7.00 as BISI-5626

Trans. of Industrie-Lackier-Betrieb (West Germany) v35 n3 p95-8 1967.

NCH-212 489 Field 11C, 13H

Jedlinski, Z.
INFLUENCE OF CORROSION INHIBITORS ON THE PROTECTIVE PROPERTIES OF LACQUERS. 31 Oct 67, 13p. TC-4584.
Order from TC: $9.50 as TC-4584

Trans. of Fette Seifen Anstrichmittel (West Germany) v63 n12 p1156-9 1961.

E. Fibers and textiles

NCH-212 398 Field 11E

Grobe, V.; Versaumer, H.
THE FORMATION OF FIBERS DURING MELT SPINNING, PT. 2. 18 Oct 67, 21p. TC-4373.
Order from TC: $17.00 as TC-4373

Trans. of Faserforschung und Textiltechnik (East Germany) v14 n7 p288-94 1963.

NCH-212 416 Field 11E

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DEVICE FOR MEASURING THE CHARGES OF STATIC ELECTRICITY ON AN INDIVIDUAL FIBER. 18 Oct 67, 8p. TC-4561.
Order from TC: $8.50 as TC-4561

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NCH-212 462 Field 11E

Bieser, H.; Hesse, R.
CROSS-SECTIONS OF CONTINUOUS SYNTHETIC FIBERS WITH REGARD TO PROCESSING AND AREAS OF APPLICATION. 31 Oct 67, 28p. TC-4388.
Order from TC: $18.00 as TC-4388

Trans. of Chemiefasern (West Germany) v17 n4 p262-8 1967.

NCH-212 463 Field 11E

Bigler, N.
MICROSCOPIC OBSERVATIONS OF POLYAMIDE CARPET YARNS. 31 Oct 67, 24p. TC-4389.
Order from TC: $18.50 as TC-4389

Trans. of Textilveredlung (Switzerland) v2 n3 p103-13 1967.

NCH-212 486 Field 11E

Kraus, W.
DETECTION OF FISHY ODOR IN TEXTILES WHICH HAVE BEEN FINISHED WITH CARBAMIDE RESIN. 31 Oct 67, 10p. TC-4562.
Order from TC: $8.50 as TC-4562

Trans. of Textil-Rundschau (Switzerland) v5 n10 p395-9 1950.

NCH-212 490 Field 11E

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ELECTRONIC-PHOTOMETRIC METHODS FOR THE MEASUREMENT OF THE CREASE RESISTANCE OF RAPID IRON-FINISHED TEXTILES. 31 Oct 67, 17p. TC-4587.
Order from TC: $11.50 as TC-4587

Trans. of Textil-Praxis (West Germany) p434-8 1967.

NCH-212 493 Field 11E

Fischer, B.
THE PECULIARITIES IN THE LONGITUDINAL SWELLING OF POLYAMIDE AND OTHER SYNTHETIC FIBERS. 31 Oct 67, 9p. TC-4773.
Order from TC: $7.50 as TC-4773

Trans. of Faserforschung und Textiltechnik (East Germany) v16 n5 p236-9 1967.

NCH-212 501 Field 11E

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MODIFICATION OF POLYPROPYLENE BY THE REACTION OF SILICACHLOROGORM. 1 Nov 67, 12p. TC-4390.
Order from TC: $12.50 as TC-4390

Trans. of Sen'i Kogyo Shikensho Iho (Japan) n79 p1-6 1966.

TT-67-33621 Field 11E, 11J, 13H

EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 570. 17 Oct 67, 15p. JPRS-42995.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42995

F. Metallurgy and metallography

NCH-212 355 Field 11F, 13H

Grdina, Yu. V.; Sofroshenko, A. F.
HIGH-TEMPERATURE COMBINATION COATINGS (ON CARBON AND ALLOY STEELS). Sep 67, 1600wds. HB-7199.
Order from HB: $4.80 as HB-7199

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) n4 p128-32 1967.

NCH-212 361 Field 11F, 20K

Naumann, F. K.
RUPTURE TESTS ON HIGH-TENSILE STEELS IN GASES AND SOLUTIONS CONTAINING HYDROGEN SULFIDE. Sep 67, 6400wds. HB-7167.
Order from HB: $17.50 as HB-7167

Trans. of Stahl und Eisen (West Germany) v87 n3 p146-54 1967.

NCH-212 362 Field 11F

Dietrich, H.
DETERMINATION OF THE FERRITE CONTENT IN AUSTENITIC WELD METAL. Sep 67, 5600wds. HB-7058.
Order from HB: $14.50 as HB-7058

Trans. of Schweissen und Schneiden (West Germany) v18 n11 p552-7 1966.

NCH-212 364 Field 11F, 13H

Seemann, H. J.; Staats, H.; Pretor, K. G.
VIBRATORY TREATMENT OF LIQUID NONFERROUS AND FERROUS METALS WITH SPECIAL CONSIDERATION OF GRAIN REFINEMENT DURING SOLIDIFICATION. Sep 67, 5900wds. HB-7200.
Order from HB: $16.50 as HB-7200

Trans. of Archiv fuer das Eisenhuettenwesen (West Germany) v38 n4 p257-65 1967.

NCH-212 375 Field 11F, 13H

Vodsedalek, J.; Kasik, I.
ELECTROSLAG REMELTING OF HEAT-RESISTANT ALLOYS. 18 Oct 67, 23p. TC-2818.
Order from TC: $19.00 as TC-2818

Trans. of Hutnicke Listy (Czechoslovakia) v18 n5 p319-28 1963.

NCH-212 383 Field 11F

Talbot, J.
THE INFLUENCE OF THE CONDITION OF THE SURFACE OF IRON ON ITS SUSCEPTIBILITY TO ACID CORROSION. 18 Oct 67, 9p. TC-4273.
Order from TC: $9.00 as TC-4273

Trans. of Corrosion et Anticorrosion (France) v15 n2 p43-8 1967.

NCH-212 400 Field 11F

Son, P.
DIFFUSION OF CARBON IN TANTALUM. 18 Oct 67, 10p. TC-4392.
Order from TC: $11.00 as TC-4392

Trans. of Nihon Kinzoku Gakkaishi (Japan) v30 p1137-40 1966.

NCH-212 406 Field 11F, 7D

Krause, A.
A COMPARISON OF THE RADICAL AND ELECTROCHEMICAL THEORIES OF LOCAL CELLS ON THE SURFACE OF METALLIC IRON, AND ITS CORROSION. 18 Oct 67, 3p. TC-4420.
Order from TC: $3.00 as TC-4420

Trans. of Osterreichische Chemiker-Zeitung (Austria) v68 p125-6 1967.

NCH-212 413 Field 11F

Smirnov, M. V., Ryzhik, O. A.
INERTNESS OF METALLIC ELECTRODES IN MOLTEN SALT ELECTROYTES. 18 Oct 67, 6p. TC-4519.
Order from TC: $6.00 as TC-4519

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Tsvetnaya Metallurgiya (USSR) v8 n1 p86-9 1965.

NCH-212 430 Field 11F

Eketorp, S.
THE POSSIBILITIES OF VACUUM TREATMENT. 28 Sep 67. BISI-5399.
Order from BISI: $70.00 as BISI-5399

Trans. of Jernkonteret, Stockholm. Annaler (Sweden) v150 n9 p585-685 1966.

NCH-212 431 Field 11F

Bellot, J.
RESULPHURISED HIGH-SPEED FREE-CUTTING MILD STEELS. 28 Sep 67. BISI-5440.
Order from BISI: $29.40 as BISI-5440

Trans. of Revue de Metallurgie (France) v63 p959-75 1966.

NCH-212 436 Field 11F, 13H

Braun, M. P.
TRANSFORMATION OF SUPERCOOLED AUSTENITE IN STEELS WITH VARIOUS DEGREES OF ALLOYING. 28 Sep 67. BISI-5633.
Order from BISI: $9.80 as BISI-5633

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) n1 p128-35 1963.

NCH-212 439 Field 11F

Kessler, H.; Pitsch, W.
THE ROLE OF ORIENTATION IN THE MARTENSITE-TO-AUSTENITE TRANSFORMATION IN IRON-NICKEL ALLOYS. 28 Sep 67. BISI-5657.
Order from BISI: $7.00 as BISI-5657

Trans. of Acta Metallurgica (U. S.) v13 p871-4 1965.

NCH-212 441 Field 11F

Tadatoshi Toda.
CRITICAL COOLING RATES FOR SOLUTION TREATMENT OF Cu-Cr AND Cu-Be ALLOYS. 18 Oct 67, 15p. TC-4387.
Order from TC: $15.00 as TC-4387

Trans. of Nihon Kinzoku Gakkaishi (Japan) v29 p237-42 1965.

NCH-212 445 Feidl 11F, 13H

Devore, P.
THE EFFECT OF BRIGHT ANNEALLING ON SOME PROPERTIES OF AUSTENITIC STAINLESS STEELS. 21 Sep 67. BISI-5730.
Order from BISI: $11.20 as BISI-5730

Trans. of Revue de Metallurgie (France) v64 Feb p171-5 1967.

NCH-212 448 Field 11F, 20K

White, F. E.
SOME REMARKS ON THE HOT TORSION RUPTURE OF AUSTENITIC AND FERRITIC ALLOYS. 21 Sep 67. BISI-BISI-5766.
Order from BISI: $19.60 as BISI-5766

Trans. of Revue de Metallurgie (France) v63 p991-8 1966.

NCH-212 483 Field 11F, 20B, 20K

Gorev, K. V.
RELATION BETWEEN THE STRESS-RUPTURE STRENGTH, HARDNESS AND CHARACTERISTICS OF RECRYSTALLIZATION FOR AGE-HARDENABLE ALLOYS. 31 Oct 67, 4p. TC-4552.
Order from TC: $3.50 as TC-4552

Trans. of Metallovedenie i Termicheskaya Obrabotka Metallov (USSR) p61-4 1965.
For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

NCH-212 511 Field 11F

Schlipf, J.
PHENOMENOLOGICAL THEORY OF THE KIRKENDALL EFFECT. 1 Nov 67, 31p. TC-4556.
Order from TC: $16.00 as TC-4556

Trans. of Acta Metallurgica (U. S.) v14 p877-86 1966.

TT-67-25701 Field 11F

Korzh, P. D.
THERMOELECTRIC METHOD FOR THE DETERMINATION OF SILICON IN SOME FERRO-ALLOYS. 1967. CRL/T-1759.
Order from CRL as T.1759

Trans. of Zavodskaya Laboratoriya (USSR) v15 n2 p170-3 1949.
For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

TT-67-25722 Field 11F, 20K

Valenti, V. O.
ON THE FORMATION OF FISH-EYES IN PURE WELDMETAL DEPENDING ON STRESS. 1967. CRL/T-2370.
Order from CRL as T.2370

Trans. of Hitsaustekniikka. Svetsteknik (Finland) n4 p102-36 1957.

TT-67-26438 Field 11F

Aoki, I.
EFFECT OF ZINC ON PIG IRON. 1967. CRL/T-1687.
Order from CRL as T.1687

Trans. of Tetsu to Hagane (Japan) v42 p292-4 1956.

TT-67-26442 Field 11F

Kokichi, O.
EFFECT OF NICKEL AND CHROMIUM ON CHILLED LAYER OF ALLOY IRON. 1967. CRL/T-1663.
Order from CRL as T.1663

Trans. of Tetsu to Hagane (Japan) v42 n3 p152-5 1956.

TT-67-26446 Field 11F, 13H

Shiotani, S.
NEW TECHNICAL DEVELOPMENTS IN FERRO-ALLOY PRODUCTION. 1967. CRL/T-1842
Order from CRL as T.1842
Trans. of Tetsu to Hagane (Japan) v48 n9 p1076-84 1962.

TT-67-27069 Field 11F, 13H

Aleksandrov, N. N.; Klochnev, N. I.
PRODUCTION TECHNOLOGY AND PROPERTIES OF HEAT-RESISTING CAST IRON. 1965, 146p, 71refs. IPST-2171.
Order from IPST as IPST-2171

Trans. of mono. Tekhnologiya Polucheniya i Svoistva Zharostoikikh Chugunov, Moscow, 1964.
Available on loan from ETC as ETC-67-27069.

TT-67-33597 Field 11F, 13H

USSR INDUSTRIAL DEVELOPMENT: METALLURGY AND MINERALS NO. 72. 16 Oct 67, 19p. JPRS-42971.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42971

TT-67-33756 Field 11F

USSR INDUSTRIAL DEVELOPMENT: METALLURGY AND MINERALS NO. 74. 27 Oct 67, 28p. JPRS-43131.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43131

TT-67-33796 Field 11F

Savitskii, E. M.; Baron, V. V.; Ivanova, K. N.
NIOBIUM-BASED ALLOYS AND THEIR PROPERTIES.
30 Oct 67, 13p, refs. JPRS-43171.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as JPRS-43171

Trans. of Atomnaya Energiya (USSR) v23 n7 p32-7
1967.
For another listing of this journal see "Translated
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TT-67-63023 Field 11F

Konnov, Yu. P.; Magidson, I. A.
ELECTROTRANSPORT AND DIFFUSION IN THE
In-Sb SYSTEM. Tr. by Evelyn Conrad. 1967,
21p, refs. IS-Trans-58.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as IS-Trans-58

Trans. of Institut Stali, Moscow. Sbornik (USSR)
n41 p290-302 1966.

TT-67-63025 Field 11F

Akopov, F. A.; Poluboyarinov, D. N.
A THERMODYNAMIC ANALYSIS OF THE
EQUILIBRIUM IN THE SYSTEM CeO_2 - Ce_2O_3.
Tr. by A. D. Cernicek. 1967, 10p. LA-tr-67-26.
Order from CFSTI or ETC: HC$3.00, MF$0.65
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Trans. of Khimiko-Tekhnologicheskii Institut,
Moscow. Trudy (USSR) n50 p191-4 1966.

TT-67-63148 Field 11F

Berry, J. L.; Darras, R.; Roger, B.
CONTRIBUTION TO THE STUDY OF THE DESORP-
TION OF FISSION GASES FORMED IN IRRADIATED
URANIUM OXIDE. Sep 66, 11p. NP-tr-1569.
U. S. Requestors only order from CFSTI: HC$3.00,
MF$0.65 as NP-tr-1569

Trans. of Commissariat a l'Energie Atomique, Paris.
Rapport C.E.A. (France) R-3021 1966.

TT-67-63173 Field 11F

ON MECHANICAL PROPERTIES OF STEELS,
QUARTERLY REPT. NO. 9. 7 Jul 67, 3p.
EURAEC-1889.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as EURAEC-1889

Trans. of Chantiers de l'Atlantique. Rept. (France)
n9 1 Apr-30 Jun 67.

TT-67-63246 Field 11F, 13H

Chaevskii, M. I.
THE USE OF LIQUID-METAL MELTS IN DIFFERENT
BRANCHES OF INDUSTRY (Primenenie Zhidko-
metallicheskikh Rasplavov v Razlichnykh Otraslyakh
Promyshlennosti). 16 Jun 67, 19p, refs.
FTD-MT-67-82; AD-660 432.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as AD-660 432

Edited machine trans. of Akademiya Nauk URSR, Kiev.
Instytut Mashynoznavstva ta Avtomatyky. Nauchnye
Zapiski: Seriya Mashinovedeniya, v9 n8 p11-21 1962.

TT-67-63254 Field 11F

Dyubua, B. Ch.; Kultashev, O. K.
WORK FUNCTIONS OF W-Hf, Ta-Hf, Nb-Hf, Re-Hf,
Re-Zr AND W-Re ALLOYS (Rabota Vykhoda Splavov
W-Hf, Ta-Hf, Nb-Hf, Re-Hf, Re-Zr, W-Re). 3 May 67,
17p, refs. FTD-HT-66-766; AD-660 439.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as
AD-660 439

Unedited rough draft trans. of Fizika Metallov i
Metallovedenie (USSR) v21 n3 p396-402 1966.
For another listing of this journal see "Translated
or Abstracted Publication," in TT Vol. 17, No. 10.
Contract AF 33(657)-16408.

H. Oils, lubricants, and hydraulic fluids

NCH-212 403 Field 11H, 11I, 11J

Francesco, A. di.
LUBRICATION OF MIXTURES WITH A POLYVINYL
CHLORIDE BASE. 18 Oct 67, 49p. TC-4406.
Order from TC: $26.00 as TC-4406

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n10 p1035-47 1966.

TT-67-63212 Field 11H, 20D

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Iznosa i Smasochnogo Deistviya). Tr. by L. Marokus.
31 Mar 67, 6p. FTD-HT-23-500-67; AD-660 344.
Order from CFSTI or ETC: HC$3.00, MF$0.65
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p107 1965.

I. Plastics

NCH-212 410 Field 11I

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NEW KNOWLEDGE REGARDING THE STRUCTURE
OF ABS PLASTICS. 18 Oct 67, 19p. TC-4428.
Order from TC: $17.50 as TC-4428

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v101 p200-13 1967.

NCH-212 485 Field 11I

Waeser, B.
THE OUTLOOK FOR BROMINATED OR IODINATED
PLASTICS. 31 Oct 67, 10p. TC-4560.
Order from TC: $9.00 as TC-4560

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NCH-212 606 Field 11I

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POLYSTYRENE (Atmosfericke Starnuti a Stabilizace Polystyrenu). 1967, 10000wds, 31refs.
Order from STA

Trans. of Chemicke Listy (Czechoslovakia) v61 n5 p600-23 1967.

NCH-212 625 Field 11I

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Order from STA

Trans. of Chemicky Prumysl (Czechoslovakia) n5 p253-7 1967.

J. Rubbers

NCH-212 404 Field 11J, 13F

Abramova, E. E.; Tsukerberg, S. M.
DESIGN OF BALLOON TIRES. 18 Oct 67, 11p. TC-4414.
Order from TC: $9.00 as TC-4414

Trans. of Kauchuk i Rezina (USSR) v25 n7 p44-8 1966.
For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

NCH-212 411 Field 11J, 7D

Bussemaker, O. K. F.
SOME CONSIDERATIONS ON THE DISPERSION OF INGREDIENTS IN A MIXTURE. 18 Oct 67, 13p. TC-4435.
Order from TC: $11.50 as TC-4435

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NCH-212 464 Field 11J

Whitlock, K. H.
HYPALON SYNTHETIC RUBBER IN THE WIRE AND CABLE INDUSTRY. 31 Oct 67, 29p. TC-4407.
Order from TC: $18.00 as TC-4407

Trans. of Plaste und Kautschuk (East Germany) v14 n4 p242-7 1967.

NCH-212 465 Field 11J

Koslov, V. T.
STUDY OF THE TEMPERATURE PROCESS OF DECAY OF RADICALS FORMED DURING THE RADIOLYSIS OF SOLID RUBBERS. 31 Oct 67, 12p. TC-4427.
Order from TC: $12.00 as TC-4427

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For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

K. Solvents, cleaners and abrasives

NCH-212 419 Field 11K

Rossetti, V. A.
APPLICATION OF X-RAY ANALYSIS TO THE EVALUATION OF THE PROPERTIES OF SOAPS. 18 Oct 67, 13p. TC-4599.
Order from TC: $8.50 as TC-4599

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L. Wood and paper products

NCH-212 488 Field 11L

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Order from TC: $3.50 as TC-4583

Trans. of Svensk Pappers-tidning, v70 n1 p25 1967.

12 MATHEMATICAL SCIENCES

A. Mathematics and statistics

TT-67-33466 Field 12A

Golshtein, E. G.
DUAL PROBLEMS IN CONVEX AND CONVEX-FRACTIONAL PROGRAMMING IN FUNCTIONAL SPACES. 5 Oct 67, 13p, 6refs. JPRS-42840.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42840

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TT-67-63155 Field 12A

Vaindiner, A. I.
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Order from CFSTI or ETC: HC$3.00, MF$0.65 as ANL-Trans-480

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B. Operations research

TT-67-27062 Field 12B

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Order from IPST as IPST-2192

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Available on loan from ETC as ETC-67-27062.

13 MECHANICAL, INDUSTRIAL, CIVIL, AND MARINE ENGINEERING

A. Air conditioning, heating, lighting and ventilating

NCH-212 306 Field 13A, 13H

Feiman, M.G.
USE OF XENON LAMPS IN WEATHEROMETERS.
Sep 67. TTIS-NS-711.
Order from TTIS: $31.50 as NS-711

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NCH-212 443 Field 13A, 13H

Meyer, H. J.
THE INFLUENCE OF BOILER TUBE DEFECTS ON THE APPLICATION AND RESULTS OF ULTRASONIC TESTS. 21 Sep 67. BISI-5654.
Order from BISI: $19.60 as BISI-5654

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B. Civil engineering

NCH-212 376 Field 13B

Fischer, A.
PREPARATION AND REMOVAL OF INDUSTRIAL SLUDGES. 1967, 33p. TC-4046.
Order from TC: $19.00 as TC-4046

Trans. of Chemie-Ingenieur-Technik (West Germany) v39 n4 p157-65 1967.

NCH-212 377 Field 13B

Reh, L.
COMBUSTION AND THERMAL CLEAVAGE OF INDUSTRIAL WASTES IN THE FORM OF LIQUIDS AND SLUDGES. 18 Oct 67, 20p. TC-4047.
Order from TC: $15.00 as TC-4047

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TT-67-27392 Field 13B

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THE THEORETICAL BASES OF ENGINEER CALCULATIONS OF MERGING OF SEWAGE IN WATER RESERVOIRS. 1967, 41p (foreign text included) 12refs.
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TT-67-27393 Field 13B

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TT-67-51408/3 Field 13B, 20D

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Order from CFSTI: HC$3.00, MF$0.65 as TT-67-51408/3

Trans. of Technical articles and patent sections from Staub (West Germany) v27 n3 1967.
For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

C. Construction equipment, materials and supplies

TT-67-26430 Field 13C, 11G

Bozhenov, P. I.
USE OF ASBESTOS MINING WASTES AS RAW MATERIAL FOR THE PRODUCTION OF AUTOCLAVED BUILDING MATERIALS. 1967.
Order from IAI: $1.75 as Asb.Tr.Ser.2

Trans. of mono. Tsementy Avtoklavnogo Tverdeniya i Izdeliya na ikh Osnove, Leningrad, 1963 p127-31.

TT-67-33494 Field 13C

USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION, CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 110. 9 Oct 67, 18p. JPRS-42868.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42868

TT-67-33594 Field 13C

USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION, CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 112. 16 Oct 67, 13p. JPRS-42968.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42968

TT-67-33707 Field 13C

USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION, CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 113. 24 Oct 67, 40p. JPRS-43082.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43082

F. Ground transportation equipment

TT-67-33591 Field 13F, 17B, 9C, 13B

EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 569. 16 Oct 67, 27p. JPRS-42965.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42965

TT-67-33753 Field 13F, 2C

USSR INDUSTRIAL DEVELOPMENT: AUTOMOTIVE AND TRACTOR INDUSTRY NO. 63. 27 Oct 67, 40p. JPRS-43128. Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43128

H. Industrial processes

NCH-212 356 Field 13H, 11H

Gorecki, W.; Madejski, J.
SELECTION OF EMULSIFIED LUBRICANTS FOR THE COLD ROLLING OF STEEL STRIP, PT. I. Sep 67, 5600wds. HB-6866-1.
Order from HB: $18.50 as HB-6866-1

Trans. of Prace Instytutow Hutniczych (Poland) v17 n5 p303-9 1965.

NCH-212 357 Field 13H, 11F

Kocho, V. S.; Eroshenko, V. A.; Furman, A. I.
SAMPLING DEVICE FOR TAKING SAMPLES OF UNKILLED STEEL. Sep 67, 300wds. HB-7269.
Order from HB: $2.00 as HB-7269

Trans. of Metallurg (USSR) v12 n2 p23 1967.
For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

NCH-212 358 Field 13H, 11F

Lupeiko, V. M.
OXYGEN BLOWING OF STEEL COUPLED WITH THE ADDITION OF FUEL. Sep 67, 2500wds. HB-6923.
Order from HB: $7.50 as HB-6923

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) n4 p57-63 1966.

NCH-212 359 Field 13H, 11F

Fatkullin, O. Kh.; Oiks, G. N.; Ansheles, I. I.
KINETICS OF VACUUM DEGASSING OF LIQUID STEEL. Sep 67, 2700wds. HB-6599.
Order from HB: $7.70 as HB-6599

Trans. of Institut Stali, Moscow. Sbornik (USSR) n41 p151-60 1966.

NCH-212 363 Field 13H, 11F

Dickens, P.; Koenig, P.; Zimmermann, K.
SIMULTANEOUS SAMPLING FOR SPECTROMETRIC AND GAS ANALYTICAL EXAMINATION OF STEEL. Sep 67, 2200wds. HB-7249.
Order from HB: $6.50 as HB-7249

Trans. of Archiv fuer das Eisenhuettenwesen (West Germany) v38 n5 p407-9 1967.

NCH-212 365 Field 13H, 11F

Riemann, W.
ROLE OF FUEL TECHNOLOGY IN THE ADVANCES MADE IN SHAPING AND HEAT TREATING SPECIAL STEELS. Sep 67, 4400wds. HB-6936.
Order from HB: $12.50 as HB-6936

Trans. of Stahl und Eisen (West Germany) v86 n11 p672-8 1966.

NCH-212 366 Field 13H, 11F

Loorz, W.; Winzer, D.
INJECTION OF COKE OVEN GAS INTO A BLAST FURNACE. Sep 67, 1800wds. HB-7108.
Order from HB: $5.50 as HB-7108

Trans. of Stahl und Eisen (West Germany) v87 n4 p185-7 1967.

NCH-212 367 Field 13H

Sakai, C.
HIGH EFFICIENCY (BLAST FURNACE) TUYERES. Pt. 1 of Study of Methods of Operating the Blast Furnace at High Efficiency. Sep 67, 1400wds. HB-7255.
Order from HB: $5.80 as HB-7255

Trans. of Tetsu to Hagane (Japan) v53 n3 p264-7 1967.

NCH-212 368 Field 13H, 11F

Yamaguchi, M.; Koike, S.
THE QUALITY OF HIGH CARBON STEEL HOOP FROM CONTINUOUSLY CAST BILLETS. Pt. 3 of The Quality of Steel from Continuously Cast Billets. Sep 67, 1000wds. HB-7261.
Order from HB: $4.30 as HB-7261

Trans. of Tetsu to Hagane (Japan) v52 n10 p1648-50 1966.

NCH-212 369 Field 13H

Nakagwa, H.
REPLACEMENT OF O. H. FURNACES BY BASIC OXYGEN LD FURNACE WITH AN EXCHANGEABLE VESSEL. Sep 67, 1150wds. HB-7256.
Order from HB: $4.80 as HB-7256

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NCH-212 370 Field 13H

Komoda, K.; Okazaki, A.; Koshikawa, T.
TEMPERATURE MEASUREMENTS IN BASIC OXYGEN (LD) FURNACE DURING BLOW. Sep 67, 1350wds. HB-7254.
Order from HB: $6.20 as HB-7254

Trans. of Tetsu to Hagane (Japan) v53 n3 p281-3 1967.

NCH-212 372 Field 13H, 11F

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THE QUALITY OF CARBON STEEL FORGINGS FROM BILLETS OF STEEL MAKE BY THE BASIC OXYGEN (LD) PROCESS AND CONTINUOUSLY CAST. Pt 4 of Quality of Steel from Continuously Cast Billets. Sep 67, 1400wds. HB-7237.
Order from HB: $5.80 as HB-7237

Trans. of Tetsu to Hagane (Japan) v53 n4 p500-3 1967.

NCH-212 373 Field 13H

Kondo, S.
STUDY OF THE HEMATITE BONDING MECHANISM DURING THE HARDENING OF MAGNETITE PELLETS. Sep 67, 350wds. HB-7175.
Order from HB: $3.00 as HB-7175

Trans. of Tetsu to Hagane (Japan) v53 n5 pS2 1967.

NCH-212 374 Field 13H, 11F

Koike, Y.
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Order from HB: $3.00 as HB-7268

Trans. of Tetsu to Hagane (Japan) v53 n5 pS41 1967.

NCH-212 385 Field 13H, 11D

Seiji Urabe; Kunio Tokikawa.
BOUNDING TEXTILES TO RUBBER. 18 Oct 67, 14p. TC-4280.
Order from TC: $14.00 as TC-4280

Trans. of Nihon Gomu Kyokaishi (Japan) v39 n10 p887-92 1966.

NCH-212 429 Field 13H

Fujii, T.
DEOXIDATION OF LARGE SEMI-KILLED INGOTS. 28 Sep 67. BISI-5177.
Order from BISI: $16.80 as BISI-5177

Trans. of Sumitomo Kinzoku (Japan) v16 p9-15 1964.

NCH-212 434 Field 13H

Diestel, P.
DESIGN AND OPERATION OF HEAVY PLATE FINISHING SHOPS. 28 Sep 67. BISI-5618.
Order from BISI: $19.60 as BISI-5618

Trans. of Klepzig Fachberichte (West Germany) p368-75 1961.

NCH-212 437 Field 13H, 11F

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MANUFACTURE AND PROCESSING OF WIRE ROD COOLED UNDER CONTROLLED CONDITIONS. 28 Sep 67. BISI-5651.
Order from BISI: $28.00 as BISI-5651

Trans. of Stahl und Eisen (West Germany) v87 p307-18 1967.

NCH-212 438 Field 13H

Becker, H.
INFLUENCE OF PASSIVATION FILMS ON ELECTROLYTICALLY GALVANISED STRIP ON THE SUITABILITY OF THE MATERIAL FOR RESISTANCE SPOT WELDING. 28 Sep 67. BISI-5655.
Order from BISI: $21.00 as BISI-5655

Trans. of Schweissen und Schneiden (West Germany) v18 n12 p586-91 1966.

NCH-212 440 Field 13H

Rakhmanov, A. S.
ASSEMBLY WORK ON THE UST'-BALYK-OMSK PIPELINE. 28 Sep 67. BISI-5851.
Order from BISI: $9.80 as BISI-5851

Trans. of Stroitelstvo Truboprovodov, p11-3 May 1966.

NCH-212 446 Field 13H, 13I, 11F

Heinen, B.; Kleinow, F.
MANUFACTURE AND MAINTENANCE OF EXTRUSION DIES. 21 Sep 67. BISI-5731.
Order from BISI: $12.60 as BISI-5731

Trans. of Zeitschrift fuer Metallkunde (West Germany) v58 Apr p215-20 1967.

NCH-212 447 Field 13H, 13A

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USE OF PRE-REDUCED MATERIALS IN THE BLAST FURNACE. 21 Sep 67. BISI-5725.
Order from BISI: $32.20 as BISI-5725

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NCH-212 449 Field 13H, 11F

Kotelnikov, V. P.
SOME BASIC FEATURES OF THE PROCESS OF ROLLING OF LARGE INGOTS. 21 Sep 67. BISI-5777.
Order from BISI: $11.20 as BISI-5777

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) n4 p72-8 1967.

NCH-212 459 Field 13H

Jelinek, P.
A CRITICAL SURVEY OF MOLDING AND CORE MIXTURES. 31 Oct 67, 8p. TC-4375.
Order from TC: $8.00 as TC-4375

Trans. of Slevarenstvi (Czechoslovakia) v14 n8 p339-41 1966.

NCH-212 494 Field 13H

Rauh, C.
INVESTIGATIONS ON THE FLUID SAND PROCESS. 31 Oct 67, 16p. TC-4783.
Order from TC: $13.50 TC-4783

Trans. of Giesserei (West Germany) v54 n14 p374-8 1967.

TT-67-26394 Field 13H, 13G, 13C

Piatkiewicz, Z.
PNEUMATIC CONVEYING IN THE FOUNDRY. 1967, CRL/T-2532.
Order from CRL as T.2532

Trans. of Przeglad Odlewnictwa (Poland) v15 n1 p11-4 1965.

TT-67-26441 Field 13H

Kanavets, P. I.
USE OF THE CHEMICAL CATALYTIC METHOD FOR PELLETIZING DIFFERENT RAW MATERIALS. CRL/T-1806.
Order from CRL as T.1806

Trans. of Akademiya Nauk SSSR. Institut Goryuchikh Iskopaemykh. Trudy, v22 p114-25 1963.

TT-67-26464 Field 13H

Redr, M.
EXPERIMENTAL AND THEORETICAL ENTHALPY DETERMINATIONS OF COOLING INGOTS. 1967. CRL/T-2155.
Order from CRL as T.2155

Trans. of Hutnicke Listy (Czechoslovakia) v19 n11 p781-9 1964.

TT-67-63027 Field 13H

Toshiyuki Sata; Raisaku Kiyoura.
SINTERING OF URANIA-THORIA BODIES. 1967, 21p, refs. LA-tr-67-59.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as LA-tr-67-59

Trans. of Yogyo Kyokaishi (Japan) v69 p118-24 1961.

TT-67-63237 Field 13H, 6D, 9B, 14B

Krasovskii, A. A.
DYNAMICS OF SELF-ADAPTING ANALOG SYSTEMS. 13 Jun 67, 532p, refs. FTD-HT-66-252; AD-660 394.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 394

Trans. of mono. Dinamika Nepreryvnykh Samonastraiushchikhsya Sistem, Moscow, 1963 465p.
Contract AF 33(657)-16408.

TT-67-63247 Field 13H

Rakov, K. M.
MAKING BIMETAL STRIPS WITH ALUMINUM-TIN ALLOYS (Izgotovlenie Bimetallicheskikh Polos s Alyuminievo-Olovyannymi Splavami). 31 Mar 67, 17p, 8refs. FTD-HT-67-246; AD-660 416.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 416

Unedited rough draft trans. of Vsesoyuznyi Nauchno-Issledovatelskii. Institut Zheleznodorozhnogo Transporta. Trudy (USSR) n277 p72-81 1964.
Contract AF 33(657)-14782.

I. Machinery and tools

TT-67-33495 Field 13I

EAST EUROPEAN MACHINERY INDUSTRIES: TRANSLATIONS NO. 37. 9 Oct 67, 30p. JPRS-42869.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42869

TT-67-33716 Field 13I

Moc, N.
EAST EUROPEAN MACHINERY INDUSTRIES: TRANSLATIONS NO. 39. Specialization of Parts and Components in the Machine Industry. 24 Oct 67, 13p. JPRS-43091.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43091

Trans. of Standardisierung (East Germany) v13 n5 p195-7 1967.

TT-67-33724 Field 13I, 8I, 11F

EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 403. 25 Oct 67, 23p. JPRS-43099.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43099

TT-67-63038 Field 13I

Spur, G.; Fischer, H.
A STUDY OF THE THERMAL BEHAVIOR OF THE TABLE ASSEMBLY UNIT OF A HEAVY MACHINE TOOL. Tr. by Benjamin Thayne. Jul 67, 38p. CONF-670901-4; UCRL-Trans-10119.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as UCRL-Trans-10119

Trans. of General Meeting of the C.I.R.P. (no. 17) Ann Arbor, Sep 67. Paper, n.p., n.d. International Institution for Production-Engineering Research.

TT-67-63186 Field 13I

Yoshida, Y.
STUDIES ON THE THERMAL DEFORMATION OF MACHINE TOOLS. THE THERMAL DEFORMATION OF A LATHE. 1967, 46p. UCRL-Trans-10107.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as UCRL-Trans-10107

Trans. of Kikai Shikenjo Hokoku (Japan) v16 p174-87 1962.

J. Marine engineering

TT-67-33609 Field 13J

USSR TRANSPORTATION: TRANSLATION NO. 198. Deutsche Verkehrs-Zeitung Correspondents Study Traffic Patterns in the USSR. 17 Oct 67, 9p. JPRS-42983.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42983

Trans. of Deutsche Verkehrs-Zeitung (West Germany) n87 p12 1967.

TT-67-33700 Field 13J, 9E

Chernyshev, V. O.; Chernyshev, Yu. O.
DEVICE AND PRINCIPLE OF OPERATION OF DIGITAL-ALALOG CONTROL MACHINES IN COMMERCIAL SHIP CONTROL. 24 Oct 67, 7p. JPRS-43075.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43075

Trans. of Rybnoe Khozyaistvo (USSR) n6 p76-8 1967.

TT-67-63131 Field 13J, 21E

Gokhshtein, D. P.
ON THE USE OF GAS-TURBINES IN MERCHANT SHIPS (Nekotorye Voprosy Primeneniya Gazoturbinnykh Ustanovok na Transportnykh Sudakh). Tr. by Lloyd G. Robbins. Sep 67, 11p, 7refs. NAVSHIPS-Trans-1061; AD-659 891.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-659 891

Trans. of Sudostroenie (USSR) n5 p20-4 1967.

TT-67-63132 Field 13J

SHIPBUILDING NEWS (Novosti Sudostroeniya). Tr. by Lloyd G. Robbins. Sep 67, 4p. NAVSHIPS-Trans.-1060; AD-659 890.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-659 890

Trans. of Sudostroenie (USSR) n4 p72 1967.

K. Pumps, filters, pipes, fittings, tubing and valves

TT-67-63040 Field 13K, 13M

Sevastyanov, R. I.; Zakharev, Yu. V.; Aladev, I. T.
THE EFFECT OF PIPE LENGTH, IRREGULARITY OF HEAT RELEASE AND "SHUCK" (SCREW)-TYPE SWIRLER ON CRITICAL HEAT FLUX IN PIPES. 1967, 13p, refs. WAPD-Trans-67.
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TT-67-63146 Field 13L, 13F, 6R

Pradel, J.
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M. Structural engineering

TT-67-33745 Field 13M, 14B

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14 METHODS AND EQUIPMENT

B. Laboratories, test facilities, and test equipment

TT-67-25715 Field 14B, 13H

Kurchatov, M.
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Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 498

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NCH-212 423 Field 14E

Pyasetskaya, O. V.
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Order from TC: $5.50 as TC-4361

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NCH-212 458 Field 14E

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NCH-212 474 Field 14E

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NCH-212 539 Field 14E

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TT-67-63127 Field 14E

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TT-67-63133 Field 14E, 3C

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15 MILITARY SCIENCES

TT-67-33664 Field 15-

NORTH VIETNAM: TRANSLATIONS NO. 267. 20 Oct 67, 56p. JPRS-43039.
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TT-67-33704 Field 15-, 5I,2D

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TT-67-33705 Field 15-

SOVIET MILITARY TRANSLATIONS NO. 402. 24 Oct 67, 53p. JPRS-43080.
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TT-67-33801 Field 15-

SOVIET MILITARY TRANSLATIONS NO. 403. 31 Oct 67, 40p. JPRS-43176.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43176

B. Chemical, biological, and radiological warfare

TT-67-63104 Field 15B, 6F, 2A, 6O, 6M, 4B, 8M

CBE FACTORS: MONTHLY SURVEY NO. 18. 1967, 283p. ATD-67-55; AD-659 757.
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Survey series on Chemical, Biological, and Enviromental Factors.

C. Defense

TT-67-33438 Field 15C

SOVIET MILITARY TRANSLATIONS. NO. 399. 2 Oct 67, 45p. JPRS-42811.
Order from CFSTI or ETC: HC$3.00, MF$0,65 as JPRS-42811

TT-67-33803 Field 15C

SOVIET MILITARY TRANSLATIONS NO. 404. 31 Oct 67, 52p. JPRS-43178.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43178

E. Logistics

TT-67-33742 Field 15E, 15G

NORTH VIETNAM: TRANSLATIONS NO. 270. 26 Oct 67, 36p. JPRS-43117.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43117

F. Nuclear warfare

TT-67-33721 Field 15F, 15B

MILITARY INFORMATION ON EASTERN EUROPE NO. 174. 25 Oct 67, 49p. JPRS-43096.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43096

TT-67-63171 Field 15F, 6U

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G. Operations, strategy, and tactics

TT-67-33619 Field 15G

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42993

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TT-67-33630 Field 15G, 5F

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TT-67-33813 Field 15G

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43188

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TT-67-63169 Field 15G, 15B, 15F

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16 MISSILE TECHNOLOGY

No. Entries

17 NAVIGATION, COMMUNICATIONS DETECTION AND COUNTERMEASURES

B. Communications

TT-67-33577 Field 17B

HERALD OF COMMUNICATIONS NO. 7, 1967. 13 Oct 67, 63p. JPRS-42951.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42951

Trans. of Vestnik Sbyazi (USSR) v7 p1-10, 17-23, 27, 29-32 1967.
For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

TT-67-33596 Field 17B, 5A, 9B

USSR INDUSTRIAL DEVELOPMENT: ELECTRONICS AND PRECISION EQUIPMENT NO. 35. 16 Oct 67, 24p. JPRS-42970.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42970

TT-67-33602 Field 17B

USSR COMMUNICATIONS: TRANSLATIONS NO. 90. 16 Oct 67, 18p. JPRS-42976.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42976

TT-67-33709 Field 17B

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TT-67-33718 Field 17B

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43093

TT-67-33826 Field 17B, 13F, 5C

EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 574. 31 Oct 67, 30p. JPRS-43201.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43201

18 NUCLEAR SCIENCE AND TECHNOLOGY

B. Isotopes

TT-67-23941 Field 18B, 7A

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PROBLEMS CONCERNING THE PURIFICATION OF HEAVY WATER BY MEANS OF THE ION-EXCHANGE METHOD. 1967, 15p, 9refs. DTC-110.

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D. Nuclear instrumentation

TT-67-63021 Field 18D, 18H, 18J

Bethoux, O.
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TT-67-63141 Field 18D

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E. Nuclear power plants

TT-67-24014 Field 18E, 18I

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Order from ETC, SLA or DTC: $2.60 as
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TT-67-63144 Field 18E

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THE DEVELOPMENT OF STEAM BLOWERS FOR STEAM-COOLED REACTORS. 1967, 75p, refs. EURFNR-298.
Order from CFSTI or ETC: HC$3.00, MF$0.65
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F. Radiation shielding and protection

TT-67-63149 Field 18F

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STUDY OF THE METHODS FOR ANALYZING MULTILAYER GAMMA-RAY SHIELDS. 1967, 196p, refs. ORNL-tr-1671.
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TT-67-63164 Field 18F, 18J

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TT-67-63166 Field 18F, 18J

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FOIL MEASUREMENTS OF NEUTRON FLUX DISTRIBUTIONS AND SPECTRA IN IRON-WATER SHIELDS. Tr. by S. G. Brickley. Feb 1967, 39p, refs. NP-tr-1562.
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H. Radioactivity

TT-67-63031 Field 18H

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TT-67-63183 Field 18H

Pawlowski, C.
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Order from CFSTI or ETC: HC$3.00, MF$0.65
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Trans. of Postepy Fizyki (Poland) v15 p323-39 1964.

J. Reactor materials

TT-67-33734 Field 18J, 14B

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MEASUREMENT OF THERMOPHYSICAL PROPERTIES OF MATERIALS AT THE "BORIS KIDRIC"

INSTITUTE FOR NUCLEAR STUDIES. 25 Oct 67, 10p. JPRS-43109.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43109

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TT-67-63029 Field 18J

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TT-67-63151 Field 18J

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TT-67-63174 Field 18J, 18I

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as EURAEC-1886

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TT-67-63181 Field 18J

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TT-67-63251 Field 18J, 18L

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 438

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L. Reactors (Power)

TT-67-33703 Field 18L, 18J, 10B

NUCLEAR POWER RESEARCH. 24 Oct 67, 6p. JPRS-43078.
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Trans. of Rude Pravo (Czechoslovakia) 25 Sep p1 1967.

19 ORDNANCE

A. Ammunition, explosives, and pyrotechnics

TT-67-62991 Field 19A, 19D

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ON THE CHEMICAL STABILITY OF ALUMINUM IN THE COMPOSITION OF INDUSTRIAL EXPLOSIVES (O Khimicheskoi Stabilnosti Alyuminiya v Sostave Promyshlennykh Vzryvchatykh Veshchestv). 21 Mar 67, 101p, refs. FTD-HT-66-254; AD-660 249.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 249

Trans. of Nauchno-Tekhnicheskoe Gornoe Obshchestvo. Vzrvnoe Delo (USSR) v52 n9 p25-39, 67-80, 115-40, 189-201 1963.

20 PHYSICS

TT-67-33588 Field 20-, 12A

USSR SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 126. 16 Oct 67, 190p. JPRS-42962.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-42962

TT-67-33654 Field 20-, 12A

USSR SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 127. 144p. JPRS-43029.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43029

TT-67-33763 Field 20, 12A

USSR SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 128. 27 Oct 67, 105p. JPRS-43138.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43138

TT-67-33815 Field 20-, 12A

USSR SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 129. 31 Oct 67, 157p. JPRS-43190.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43190

A. Acoustics

TT-67-63003 Field 20A

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U. S. Requestors only order from CFSTI: HC$3.00, MF$0.65 as NP-tr-1568

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B. Crystallography

TT-67-25137 Field 20B

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TT-67-25138 Field 20B

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TT-67-63032 Field 20B, 7D

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TT-67-63039 Field 20B, 18H

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PARAMAGNETIC RESONANCE OF IRRADIATED LUMINESCENT LITHIUM HYDRIDE CRYSTALS. Jul 67, 13p, refs. UCRL-Trans-10115.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as UCRL-Trans-10115

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For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

C. Electricity and magnetism

TT-67-63165 Field 20C

Breton, C.
HOLLOW-CATHODE ARCS: LITERATURE SURVEY (Les Arcs a Cathode Creuse: Mise au Point Bibliographique). Tr. by Benjamin Thayne. Aug 67, 43p. LA-tr-67-74.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as LA-tr-67-74

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D. Fluid mechanics

NCH-212 519 Field 20D, 20M

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EXPERIMENTAL INVESTIGATION OF HEAT TRANSFER DURING AGITATION OF NON-NEWTONIAN LIQUIDS. 1 Nov 67, 15p. TC-4591.
Order from TC: $12.50 as TC-4591

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NCH-212 560 Field 20D

Ibragimov, M. Kh.
HEAT TRANSFER AND TEMPERATURE DISTRIBUTION IN THE WALL OF A SQUARE DUCT DURING TURBULENT FLOW OF WATER AND MERCURY. 1 Nov 67, 14p. TC-4713.
Order from TC: $12.00 as TC-4713

Trans. of Teplofizika Vysokikh Temperatur (USSR) v4 n6 p846-52 1966.
For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

TT-67-63024 Field 20D

Slavnova, E. I.
THE CELLULAR STRUCTURE OF A CONVECTION CURRENT IN A VERTICAL CYCLINDER OF CIRCULAR CROSS-SECTION. Tr. by E. E. Conrad. 1967, 17p. IS-Trans-60.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as IS-Trans-60.

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) v4 n8 p80-6 1961.

TT-67-63154 Field 20D

Tolle, W.
THE HEAT EXCHANGE ON THE FLAT PLATE WITH PARALLEL AND COUNTER FLOW (Beritrag zum Waermeaustausch an der ebenen Platte bei Gleichstrom und Gegenstrom). Tr. by Elmar K. Wilip. 1967, 15p, refs. ANL-Trans-473.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as ANL-Trans-473

Trans. of Kaeltetechnik (West Germany) v18 n2 p55-9 1966.

TT-67-63157 Field 20D

Vertushkin, V. K.; Zhigulev, V. N.
EFFECT OF RADIATION UPON THE FLOW IN THE REGION OF THE CRITICAL POINT (O Vliyanii

Izlucheniya na Techenie v Oblasti Kriticheskoi Tochki). Tr. by Elmar K. Wilip. Jul 67, 5p, refs. ANL-Trans-504.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as ANL-Trans-504

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For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

TT-67-63158 Field 20D

Alishaev, M. G.
THE GENERALIZATION OF MANGLER'S TRANSFORMATION OF NATURAL CONVECTION (Obobshchenie Preobrazovaniya Manglera dlya Uravnenii Svobodnoi Konvektsii). Tr. by Elmar K. Wilip. Jul 67, 4p, refs. ANL-Trans-505.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as ANL-Trans-505

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Alishaev, M. H.
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Order from CFSTI or ETC: HC$3.00, MF$0.65 as ANL-Trans-506

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TT-67-63248 Field 20D, 1A

Khanzhonkov, K. I.
REDUCING AERODYNAMIC RESISTANCE HOLES WITH ANNULAR RIBS AND RECESSES (Umenshenie Aerodinamicheskogo Soprotivleniya Otverstii Koltsevymi Rebrami i Ustupami). 23 Dec 66, 28p.
FTD-HT-66-371; AD-660 433.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 433

Trans. of Promyshlennaya Aerodinamika (USSR) n12 p181-96 1959.

TT-67-63249 Field 20D, 10A

Gavrilov, L. R.
EXPERIMENTAL INVESTIGATIONS OF THE SPECTRAL DISTRIBUTION OF THE CAVITATION NUCLEI IN WATER (Eksperimentalnye Issledovaniya Spektralnogo Raspredeleniya Yader Kavitatsii v Vode). Tr. by L. Marokus. 13 Jun 67, 11p, refs. FTD-HT-23-510-67, AD-660 429.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 429

Trans. of Energomashinostroenie (USSR) n2 p41-2 1966.

E. Masers and lasers

TT-67-63105 Field 20E, 6S, 17B, 3B

FOREIGN SCIENCE BULLETIN, VOL. 3, NO. 8, 1967. Aug 67, 112p, refs. AD-659 756.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-659 756

A Monthly Review of Selected Foreign Scientific and Technical Literature.
Also available on subscription, $36.00 per yr.

F. Optics

TT-67-33627 Field 20F

Khomutov, D. A.
TECHNOLOGY OF TREATING DEEPLY CONCAVE ASPHERIC SURFACES. 18 Oct 67, 8p, 2refs. JPRS-43002.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as JPRS-43002

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) v10 n3 p96-9 1967.

TT-67-63130 Field 20F, 20E

Khatkevich, A. G.; Bokut, B. V.
THE CONDITION OF PHASE MATCHING IN LIGHT-WAVE FREQUENCY CONVERSION (Ob Uslovii Fazovogo Solasovaniya pri Preobrazovanii Chastoty Svetovykh Voln). 28 Feb 67, 9p, 5refs.
FTD-HT-67-31; AD-659 911.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-659 911

Unedited rough draft trans. of Akademiya Navuk BSSR, Minsk. Doklady, v9 n6 p357-9 1965.

H. Particle physics

TT-67-26123 Field 20H

Plastinin, Yu. A.; Baula, G. G.
ABSORPTION CROSS-SECTIONS OF THE ELECTRONIC BAND SYSTEMS OF DIATOMIC MOLECULES N_2, O_2, N_2^+, NO, C_2, CN AT HIGH TEMPERATURES. 1967, 26p, 48refs.
Order from ETC: $2.60, or SLA as ETC-67-26123

Trans. of mono. Investigations in Physical Gas Dynamics, Moscow, 1966 p41-61.

TT-67-63168 Field 20H

Grigorov, N. G.; Kovrizhnykh, O. M.; Nesterov, V. E.; Rapoport, I. D.; Savenko, I. A.
MEASUREMENT OF THE ENERGY SPECTRUM OF PRIMARY COSMIC RAYS IN THE 10^{10}-10^{14} eV REGION WITH THE HELP OF AES PROTON-1. 1967, 6p, refs. ORNL-tr-1730.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as ORNL-tr-1730

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Fizicheskaya, v30 n11 p1760-2 1966.
For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

TT-67-63180 Field 20H

Criegee, L.
INVESTIGATION OF DIRECT PAIR FORMATION BY ELECTRONS (Untersuchung der Direkten Paarbildung Durch Elektronen). Jul 67, 19p, refs. SLAC-Trans-71.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as

SLAC-Trans-71

Trans. of Zeitschrift fuer Physik (West Germany) v158 p433-43 1960.

I. Plasma physics

TT-67-63128 Field 20I, 20N

Gailitis, A.; Tsytovich, V. N.
RADIATION DURING SCATTERING OF CHARGED PARTICLES ON ELECTROMAGNETIC WAVES OF AN ISOTROPIC PLASMA. 28 Feb 67, 26p, 31refs. FTD-HT-67-55; AD-659 875.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-659 875

Unedited rough draft trans. of mono. Izluchenie pri Rasseyanii Zaryazhennykh Chastits na Elektromagnitnykh Volnakh Izotropnoi Plasmy, n.p., 1964 p1-30. Contract AF 33(657)-14782.

TT-67-63161 Field 20I

Dzung, L. S.
ACCELERATION OF A LIQUID STREAM BY A VAPOR STREAM FOR THE APPLICATION IN AN MHD GENERATOR (Beschleunigung eines Fluessigkeitsstroms Durch einen Dampfstrahl als Antrieb eines MHD-Generators). Tr. by Elmar K. Wilip. Jul 67, 9p, refs. ANL-Trans-508.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as ANL-Trans-508

Trans. of Brennstoff-Waerme-Kraft (West Germany) v17 p13-6 1965.

TT-67-63189 Field 20I, 20D, 20K 19D, 1A

JOURNAL OF APPLIED MECHANICS AND TECHNICAL PHYSICS, NO. 4 1964. 19 Apr 67, 375p, refs. FTD-HT-66-261; AD-660 248.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 248

Edited trans. of Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki (USSR) n4 160p 1964. Contract AF 33(657)-14673.

TT-67-63234 Field 20I

Nikolaevskii, L. S.; Simonenko, A. F.; Grenishin, S. G.
SPECTROSCOPIC INVESTIGATION OF A HIGH CURRENT DISCHARGE IN THE AIR AT LOW DENSITIES (Spektroskopicheskie Issledovaniya Silnotochnogo Razryada v Vozdukhe pri Nizkikh Plotnostyakh). 14 Jun 67, 17p, 15refs. FTD-HT-66-650; AD-660 397.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 397
Trans. of Zhurnal Prikladnoi Spektroskopii (USSR) v4 n6 p485-90 1966.
For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

K. Solid mechanics

NCH-212 444 Field 20K

Dietmann, H.
THE FLOW BEHAVIOUR IN THICK-WALLED HOLLOW BODIES UNDER INTERNAL PRESSURE. 21 Sep 67. BISI-5699.
Order from BISI: $15.40 as BISI-5699

Trans. of Baender, Bleche, Rohre (West Germany) v8 Mar p143-9 1967.

NCH-212 487 Field 20K

Soldatov, M. M.
NON LINEAR THEORY OF VISCOELASTICITY. 31 Oct 67, 16p. TC-4578.
Order from TC: $9.50 as TC-4578

Trans. of Mekhanika Polimerov (Latvian SSR) v4 p498-507 1966.
For another listing of this journal see "Translated or Abstracted Publication," in TT Vol. 17, No. 10.

TT-67-27076 Field 20K

Kupradze, V. D.
POTENTIAL METHODS IN THE THEORY OF ELASTICITY. 1965, 339p, 30refs. IPST-2109.
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Available on loan from ETC as ETC-67-27076.

TT-67-63178 Field 20K

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CURRENT PROBLEMS OF KINEMATICS AND DYNAMICS OF A RIGID BODY (Questioni Attuali di Cinematica e Dinamica del Corpo Rigido). Marcel I. Weinreich. 17 Apr 67, 25p, refs. SC-T-67-0922.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as SC-T-67-0922

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Mathematics and Physics Seminar. Proceedings.

TT-67-63190 Field 20K

HIGH PARAMETER ENERGY MATTER INTERACTION. 23 Oct 67, 63p. ATD-68-14-72-1; AD-660 119.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 119

Tept. on Surveys of Foreign Scientific and Technical Literature.

TT-67-63250 Field 20K, 12A

Vorovich, I. I.
CERTAIN DIRECT METHODS IN THE NONLINEAR THEORY OF OSCILLATIONS FOR FLAT SHELLS (O Nekotorykh Pryamykh Metodakh v Nelineinoi Teorii Kolebanii Pologikh Obolochek). 28 Apr 67, 52p, refs. FTD-HT-66-745; AD-660 437.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 437

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Matematicheskaya, v21 n6 p747-84 1957.
Contract AF 33(657)-16408.

L. Solid-state physics

NCH-212 457 Field 20L

SPECIFIC HEAT AND MAGNETIC SUSCEPTIBILITY OF SOLID SOLUTIONS OF YTTRIUM CONTAINING SMALL AMOUNTS OF GADOLINIUM. 31 Oct 67, 23p. TC-4344.
Order from TC: $16.00 as TC-4344

Trans. of Journal of Physics and Chemistry of Solids (U. S.) v28 p98-106 1967.

TT-67-63028 Field 20L, 11F

Labbe, J.; Friedel, J.
ELECTRONIC INSTABILITY AND CRYSTALLINE PHASE CHANGE IN V_3Si-TYPE COMPOUNDS AT LOW TEMPERATURE. 1967, 32p. LA-tr-67-64.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as LA-tr-67-64

Trans. of Journal de Physique (France) v27 p153-65 1966.

TT-67-63030 Field 20L, 11F

Labbe, J.; Friedel, J.
STABILITY OF PERIODIC DISTORTION MODES OF THE LINEAR CHAINS OF TRANSITION METAL ATOMS IN A CRYSTALLINE STRUCTURE OF THE V_3Si TYPE. 1967, 20p. LA-tr-67-69.
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TT-67-63037 Field 20L, 11F

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HIGH-TEMPERATURE ALLOTROPIC TRANSFORMATIONS OF YTTRIUM, ERBIUM, AND THULIUM SESQUIOXIDES. Tr. by Carol Gamble. 1967, 4p, 5refs. ORNL-tr-1748.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as ORNL-tr-1748

Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v261 p2490-3 1965 (pub. by Gauthier-Villers et Cie., Paris).

M. Thermodynamics

NCH-212 450 Field 20M

Waals, van der.
ON THE ABSENCE OF OR CHANGE IN THE CRITICAL PHENOMENA FOR A MIXTURE, AS A RESULT OF THE EXISTENCE OF LONGITUDINAL FOLDING ON THE X-PLANE AT HIGHER TEMPERATURES. 31 Oct 67, 4p. TC-4158.
Order from TC: $3.50 as TC-4158

Trans. of Akademie van Wetenschappen, Amsterdam, Proceedings (Nederlands) p133-7 1894.

21 PROPULSION AND FUELS

D. Fuels

NCH-212 384 Field 21D

Behling, R. D.
USE OF TWO-STEP TEMPERATURE PROGRAMMED CAPILLARY COLUMN GAS CHROMATOGRAPHY FOR THE CHARACTERIZATION OF FUELS REQUIRING CARBURETION. 18 Oct 67, 24p. TC-4275.
Order from TC: $17.00 as TC-4275

Trans. of Brennstoff-Chemie (West Germany) v47 n12 p360-8 1966.

NCH-212 433 Field 21D

Dulucq G.; Meltzheim, C.
COAL HANDLING AND PREPARATION IN COKE PLANTS. 28 Sep 67. BISI-5500.
Order from BISI: $30.80 as BISI-5500

Trans. of Centre de Documentation Siderurgique. Circulaire d'Informations Techniques (France) n9 p1961-92 1966.

TT-67-26398 Field 21D

Orlik, M.
RELATIONSHIP BETWEEN THE STRENGTHS OF COKE DETERMINED BY THE MICUM AND SUNDGREEN METHODS. 1967. CRL/T-2376.
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Trans. of Hutnicke Listy (Czechoslovakia) v19 n9 p650-2 1964.

TT-67-26436 Field 21D

Angelova, G.; Lararov, L.
FUNCTIONAL OXYGEN GROUPS IN THERMAL TREATMENT OF HARD COALS. 1967. CRL/T-2523.
Order from CRL as T.2523

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22 SPACE TECHNOLOGY

C. Spacecraft trajectories and reentry

TT-67-63211 Field 22C, 12A

Isaev, V. K.; Sonin, V. V.
COMPUTATIONAL ASPECTS OF THE PROBLEM OF OPTIMAL FLIGHT AS A BOUNDARY PROBLEM (Vychislitelnye Aspekty Zadachi ob Optimalnom Perelete kok Kraevoi Zadachi). 31 Mar 67, 18p, 3refs. FTD-HT-67-447; AD-660 345.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-660 345

Trans. of Zhurnal Vychislitelnoi Matematiki i Matematicheskoi Fiziki (USSR) v5 n2 p252-61 1965. Contract AF 33(657)-14782.

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Altsybeeva, A. I.; Levin, S. Z.
HANDBOOK OF METAL CORROSION INHIBITORS.
Mono. Ingibitory Korrozii Metallov, Moscow, 1968.
To be pub. by IPST.

Biryukov, I. P.
TABLES OF NUCLEAR QUADRUPOLE RESONANCE FREQUENCIES.
Mono. Tablitsy Chastot Yadernogo Kvadrupolnogo Rezonansa, Moscow, 1968.
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Dutov, A. G.; Ganiev, A. G.
ACTIVATION ANALYSIS OF PURE MATERIALS.
Mono. Aktivatsionnyi Analiz Chistykh Materialov, n.p., 1968.
To be pub. by IPST.

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COMPLEXONES.
Mono. Kompleksony, Moscow, 1968.
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Enikolopyan, N. S.; Volfson, S. A.
CHEMISTRY AND TECHNOLOGY OF POLYFORMALDEHYDE.
Mono. Khimiya i Tekhnologiya Poliformaldegida, Moscow, 1968.
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Gladyshev, G. P., Gibov, K. M.; Rafikov, S. R.
DEEP-CONVERSION POLYMERIZATION AND ITS APPLICATIONS.
Mono. Polerimerizatsiya pri Glubokikh Stepenyakh Prevrashcheniya i Metody ee Ispolzovaniya, n.p., 1968.
To be pub. by IPST.

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FORCES IN NATURE.
Mono. Sily v Prirode, n.p., 1966 400p.
To be pub. by Scripta Technica Ltd., 138 New Bond St., London W.I. England.

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FUNDAMENTALS OF KINEMATICS.
Mono. Osnovaniya Kinematicheskoi Teorii, n.p., 1966 352p.
To be pub. by Scripta Technica Ltd., 138 New Bond St., London W.I. England.

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CHROMATOGRAPHY IN WOOD CHEMISTRY.
Mono. Khromatografiya v Khimii Drevesiny, n.p., 1968.
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A HANDBOOK OF METALLOCHEMICAL PROPERTIES OF ELEMENTS.
Mono. Metallokhimicheskie Svoistva Elementov Periodicheskoi Sistemy, Moscow, 1966 351p.
To be pub. by IPST.

Krasnov, K. S.
HANDBOOK OF MOLECULAR CONSTANTS OF INORGANIC COMPOUNDS.
Mono. Molekulyarnye Postoyannye Neorganicheskikh Soedinenii, Moscow, 1968.
To be pub. by IPST.

Levin, M. L.; Rytov, S. M.
THEORY OF EQUILIBRIUM THERMAL FLUCTUATIONS IN ELECTRODYNAMICS.
Mono. Teoriya Ravnovesnykh Teoriya Ravnovesnykh Teplovykh Fluktuatzii Velektrodinamike, n.p., n.d.
To be pub. by Scripta Technica Ltd., 138 New Bond St., London W.I. England.

Melnik, B. D.; Melnikov, E. B.
ENGINEER'S HANDBOOK OF INORGANIC CHEMICAL INDUSTRY.
Mono. Kratkii Inzhenernyi Spravochnik po Tekhnologii Neorganicheskikh Veschchestv, Moscow, 1968.
To be pub. by IPST.

Mishchenko, K. P.; Poltoratskii, G. M.
THERMODYNAMICS AND STRUCTURE OF AQUEOUS AND MONAQUEOUS ELECTROLYTE SOLUTIONS.
Mono. Voprosy Termodinamiki i Stroeniya Vodnykh i Nevodnykh Rastvorov Elektrolitov, Moscow, 1968.
To be pub. by IPST.

Ovchinnokov, N. F.
PRINCIPLES OF CONSERVATION.
Mono. Printzipy Sokhraneniya, n.p., 1966 330p.
To be pub. by Scripta Technica Ltd., 138 New Bond St., London W.I. England.

Petrashen, M. I.; Trifonov, E. D.
APPLICATION OF GROUP THEORY TO QUANTUM MECHANICS.
Mono. Grup v Kvantovoi Mekhanike, n.p., 1967 308p.
To be pub. by Scripta Technica Ltd., 138 New Bond St., London W.I. England.

Rozenfeld, A. S.; Yakhinson, B. I.
TRANSIENT PROCESSES AND GENERALISED FUNCTIONS.
Mono. Perekhodnye Protzessy i Obobshchennye Funktzii, n.p., 1966 440p.
To be pub. by Scripta Technica Ltd., 138 New Bond St., London W.I. England.

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STRUCTURE AND PHYSIOCHEMICAL PROPERTIES OF BACKBONE CATALYSTS.
Mono. Struktura i Fizi[illegible]o-Khimicheskie Svoistva Skeletnykh Katalizatorov, n.p., 1968.
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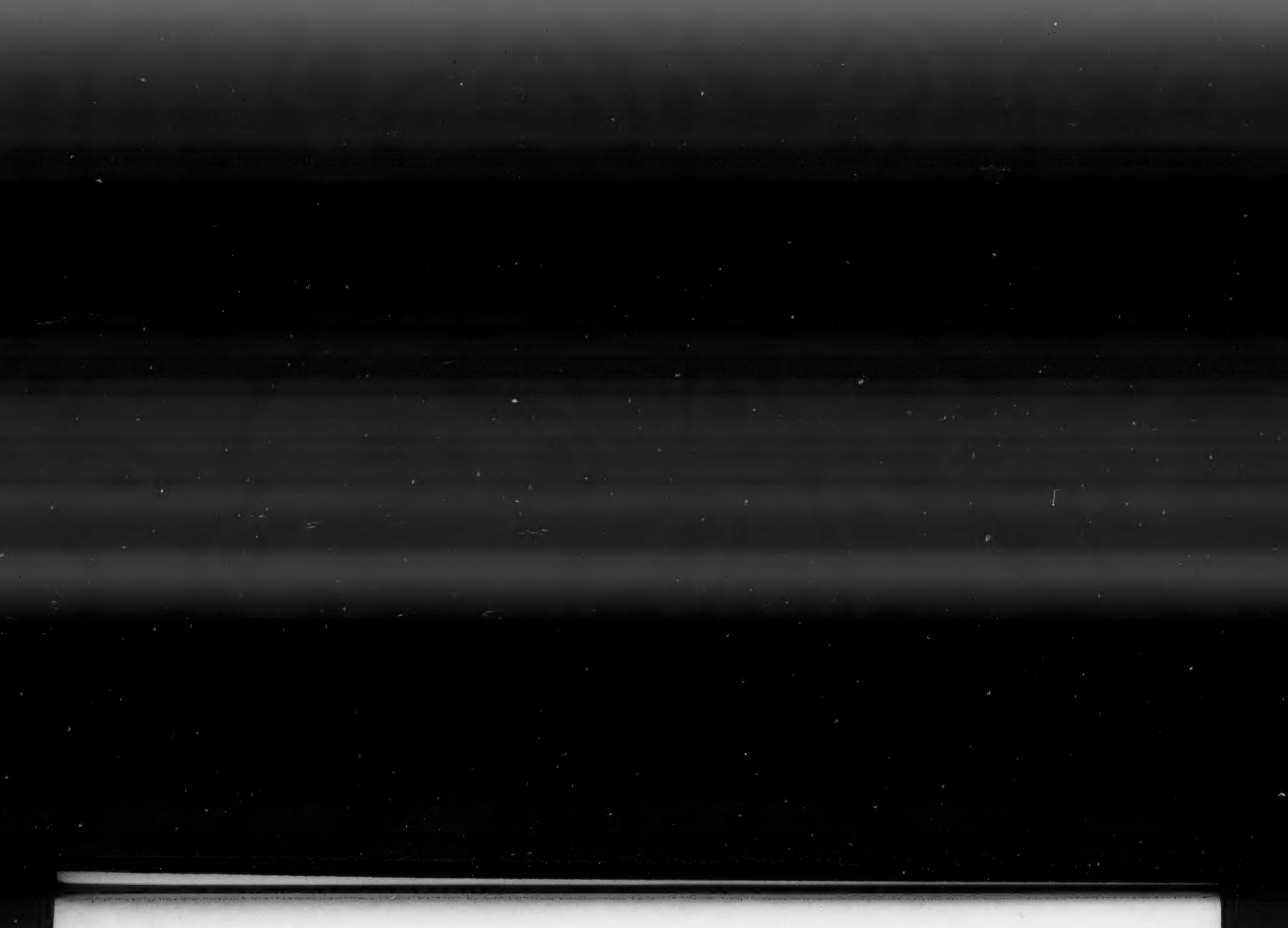
To be pub. by IPST.



TRANSLATED or ABSTRACTED PUBLICATIONS

December 30, 1967

This List includes translations or abstracts prepared from journal sources covering one or more related subject areas. Entries preceded by a star indicate foreign publications announced for translating or abstracting by the publisher, but which may not yet be available.

Entries are arranged alphabetically by foreign title followed by the title of the translated journal. Cross-references from the English titles are interfiled in the List. A few entries do not have an English title.

The volume and issue number indicated in the entries refer to the foreign publication. However, publications containing selected translated articles taken from various foreign sources may carry their own volume number. Frequency of the publication indicated is that of the translated issues.

It should be noted that the Akademiya Nauk SSSR Doklady is published in the Soviet Union three times per month. The Russian volume consists of six issues containing articles on various scientific subjects. Of the many Doklady entries in this List, each contains translated articles on a given subject selected from several consecutive original Russian issues.

Availability of individual publications is indicated by an acronym of the ordering source. Acronyms are fully identified in the "Sources of Translated or Abstracted Publications" at the end of the List. In the future, publications included as available from the Clearinghouse will be listed in United States Government Research and Development Reports as soon as the translated issue is received.

ABSTRACTS JOURNAL OF METALLURGY
See REFERATIVNYI ZHURNAL. METALLURGIYA

ABSTRACTS OF BULGARIAN SCIENTIFIC LITERATURE
(Issued in the following series in English: 1. Agriculture, Forestry, Veterinary Medicine (quarterly), 2. Biology and Medicine (quarterly), 3. Chemistry and Chemical Technology (semiannual), 4. Economics and Law (quarterly), 5. Geology and Geography (annual), 6. Philosophy and Pedagogics (annual).)
Publications begin with 1958, no. 1-

Order from: TNTID

ABSTRACTS OF JAPANESE MEDICINE See
IGAKU CHUO ZASSHI

ABSTRACTS OF SOVIET MEDICINE See
MEDITSINSKII REFERATIVNYI ZHURNAL

ACTA BIOCHIMICA POLONICA
Translation begins with 1954, v. 1, no. 1-
Quarterly
(1958-1960, v. 5-7, are in process) Translation continues with 1961, v. 8, no. 1-
Single issues $3.00.

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ACTA CHIMICA SINICA See
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ACTA MEDICA IUGOSLAVICA
Translation begins with 1962, v. 16, no. 1-
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WU LI HSUEH PAO

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ACTA POLONIAE PHARMACEUTICA
(Polish Pharmaceutical Transactions)
Translation begins with 1963, v. 20-
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ADVANCES IN PHYSICAL SCIENCES See
USPEKHI FIZICHESKIKH NAUK

AIAA JOURNAL: RUSSIAN SUPPLEMENT
(Selected translated articles from Soviet sources and selected abstracts from translated Soviet journals)
Publication of Supplement in AIAA Journal begins with 1963, v. 1, no. 1-
Monthly
Single issues of AIAA JOURNAL $5.00.
(The Russian Supplement was a part of the ARS Journal from 1959, v. 29, no. 10 - 1962, v. 32, no. 12.)

Order from: AIAA — $30.00/year for AIAA Journal

* AKADEMIYA MEDITSINSKIKH NAUK SSSR.
(Medical Publishing Plan, Academy of Medical Sciences, USSR)
Translation of titles and abstracts of books announced for publication during the calendar year by "Meditsina".
Translation begins 1965-
Annual

Order from: SIC — $13.00/year

AKADEMIYA MEDITSINSKIKH NAUK SSSR.
VESTNIK
(Vestnik of the USSR Academy of Medical Sciences)
Translation of 1964, v. 19, no. 1-
Monthly
Single issues $3.00.
Translation of 1962-1963, v. 17-18, was called "Herald of the Academy of Medical Sciences."
The following issues are available individually priced: 1962, v. 17, nos. 2,4,5,6,; 1963, v. 18, nos. 1-8, 10-12.

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AKADEMIYA NAUK SSSR. Comptes Rendus (Doklady) de l'Academie des Sciences de l'U.R.S.S.
Translation begins with 1922-
Old Series: Series A (Science Section) 1922-33, nos. 1-158 $180.00
Series B (Humanities Section) 1924-1931 $75.00
Both Series A and B are published for the most part in western languages.
New series: 1933-1947, v. 1-56 (excluding v. 50) In English, French and German $1098.00
Certain volumes are individually priced.

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(Doklady Biochemistry)
Translation begins with 1957, v. 112, nos. 1-6-
Bimonthly
1957, v. 112-117, available from PLPC, $65.00/year
1958-1961, v.118-141, available in single issues $3.00 from CFSTI.
1962-1963, v. 142-153, included in Doklady Biological Sciences, $45.00/year from PLPC
1964, v. 154- issued as a separate journal

Order from: PLPC — $65.00/year

AKADEMIYA NAUK SSSR. DOKLADY
(Doklady Biological Sciences)
Translation begins with 1957, v. 112, no. 1-6-
Bimonthly
1957-1961, v. 112-141 available in single issues
$3.00 from CFSTI.
1962-1963, v. 142-153, $45.00/year from PLPC.
1964, v. 154- all sections except those included in
Doklady Biochemistry,
Doklady Biophysics and Doklady Botanical Sciences.

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AKADEMIYA NAUK SSSR. DOKLADY
(Doklady Biophysics)
Translation begins with 1957, v. 112, nos. 1-6-
Bimonthly
1957-1961, v. 112-141, included in Doklady
Biological Sciences, available in single issues
$3.00 from CFSTI.
1962-1963, v. 142-153, included in Doklady
Biological Sciences, $45.00/year from PLPC.
1964, v. 154- issued as a separate journal

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AKADEMIYA NAUK SSSR. DOKLADY
(Doklady Botanical Sciences)
Translation begins with 1957, v. 112, nos. 1-6-
Bimonthly
1957-1961, v. 112-141, available in single issues
$3.00 from CFSTI.
1962-1963, v. 142-153, included in Doklady
Biological Sciences, $45.00/year from PLPC.
1964, v. 154- issued as separate journal

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AKADEMIYA NAUK SSSR. DOKLADY
(Doklady Chemical Technology)
Translation begins with 1956, v. 106, nos. 1-6-
3 issues per year
1956, v. 106-111, $30.00, 1957, v. 112-117,
$15.00; 1958-1962, v. 118-147, $25.00/year
1963, v. 148-
Ordered with Doklady Chemistry, $165.00/year

Order from: PLPC $50.00/year

AKADEMIYA NAUK SSSR. DOKLADY
(Doklady Chemistry)
Translation begins with 1956, v. 106, nos. 1-6-
Bimonthly
1956-1957, v. 106-117, $95.00/year;
1958-1962, v. 118-147, $110.00/year
1963, v. 148-
Ordered with Doklady Chemical Technology, $165.00/year

Order from: PLPC $150.00/year

AKADEMIYA NAUK SSSR. DOKLADY
(Doklady Oceanology Section) See
SOVIET OCEANOGRAPHY

AKADEMIYA NAUK SSSR. DOKLADY
(Doklady of the Academy of Sciences of the
U. S. S. R. Earth Science Sections)
Translation begins with 1959, v. 124, nos. 1-6-
Bimonthly
1959-1961, v. 124-141, available from KP
$32.00/year; single issues $2.50.
1962, v. 142- single issues $8.00

Order from: AGI $45.00/year
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AKADEMIYA NAUK SSSR. DOKLADY
(Doklady Physical Chemistry)
Translation begins with 1957, v. 112, nos. 1-6-
Bimonthly
Single article reprints $5.00.

Order from: PLPC $160.00/year

AKADEMIYA NAUK SSSR. DOKLADY
(Proceedings of the Academy of Sciences of the
USSR. Agrochemistry Section)
Translations of 1956, v. 106-111.
Bimonthly
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AKADEMIYA NAUK SSSR. DOKLADY
(Proceedings of the Academy of Sciences of the
USSR. Applied Physics Section)
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Bimonthly
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AKADEMIYA NAUK SSSR. DOKLADY
(Proceedings of the Academy of Sciences of the
USSR. Geochemistry Section)
Translation of 1956-1958, v. 106-123.
Bimonthly
1956, v. 106-111, $20.00; 1957, v. 112-117, $15.00;
1958, v. 118-123, $25.00; single article reprints,
$5.00.
Later issues incorporated in Doklady of the Academy
of Sciences of the U. S. S. R.
Earth Science Sections.

Order from: PLPC

AKADEMIYA NAUK SSSR. DOKLADY
(Proceedings of the Academy of Sciences of the
USSR. Geological Sciences Section)
Translation of 1957-1958, v. 112-123.
Bimonthly
1957-1958, v. 112-123, $2000.00/year; single article
reprints, $5.00.
Later issurs incorporated in Doklady of the Academy
of Sciences of the U.S.S.R. Earth Science Sections

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AKADEMIYA NAUK SSSR. DOKLADY
(Soviet Mathematics)
Translation begins with 1960, v. 130, nos. 1-6-
Bimonthly
1960-1965, v. 130-165, $40.00/year;
single issues, $9.50.
1966, v. 166-

Order from: AMS $50.00/year

AKADEMIYA NAUK SSSR. DOKLADY
(Soviet Physics - Doklady)
Translation begins with 1956, v. 106, nos. 1-3-
Monthly
Single issues, 1956-1957, v. 106-117, $5.00;
1958-1960, v. 118-135, $8.00; 1961, v. 136- $5.00.
1964, v. 154-

Order from: AIP $45.00/year

AKADEMIYA NAUK SSSR. GEOFIZICHESKII INSTITUT. TRUDY
(Soviet Research in Geophysics)
Translation of 1957, nos. 37-40.
Single issues individually priced.

Order from: PLPC

AKADEMIYA NAUK SSSR. INSTITUT VYSSHEI NERVNOI DEYATELNOSTI. TRUDY: SERIYA FIZIOLOGICHESKAYA
(Works of the Institute of Higher Nervous Activity: Physiological Series)
Translation of 1955-1962, v. 1-7.
Single issues $3.00.

Order from: CFSTI

AKADEMIYA NAUK SSSR. INSTITUT VYSSHEI NERVNOI DEYATELNOSTI. TRUDY: SERIYA PATOFIZIOLOGICHESKAYA
(Works of the Institute of Higher Nervous Activity: Pathophysiological Series)
Translation of 1955-1962, v. 1-10.
Single issues $3.00.

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AKADEMIYA NAUK SSSR. IZVESTIYA. FIZIKI ATMOSFERY I OKEANA
(Izvestiya, Atmospheric and Oceanic Physics)
Translation begins with 1965, no. 1-
Monthly
The information contained in this journal was formerly included in "Izvestiya Akademii Nauk SSSR. Seriya Geofizicheskaya."
When ordered with Akademiya Nauk SSSR, Izvestiya. Fiziki Zemli, $100.00/year

Order from: AGU $60.00/year

AKADEMIYA NAUK SSSR. IZVESTIYA. FIZIKI ZEMLI
(Izvestiya, Physics of the Solid Earth)
Translation begins with 1965, no. 1-
Monthly
The information contained in this journal was formerly included in "Izvestiya Akademii Nauk SSSR. Seriya Geofizicheskaya."
When ordered with Akademiya Nauk SSSR, Izvestiya. Fizika Atmosferyi Okeana, $100.00/year

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AKADEMIYA NAUK SSSR. IZVESTIYA. MEKHANIKA ZHIDKOSTI I GAZA
(Soviet Fluid Mechanics)
Translation begins with 1966, v. 1, no. 1-
Bimonthly

Order from: FP $160.00/year

AKADEMIYA NAUK SSSR. IZVESTIYA. METALLY
(Russian Metallurgy)
Selected articles; articles not translated are abstracted
Translation begins with 1965, no. 1-
Bimonthly
The Russian journal for 1963-1964 was called "Izvestiya Akademii Nauk SSSR. Metallurgiya i Gornoe Delo". The translated journal, titled "Russian Metallurgy and Mining" is available from SIC, bimonthly $68.00/year.
The Russian journal, beginning with 1959, no. 1, was called "Izvestiya Akademii Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Metallurgiya i Toplivo." The 1960 and 1962 issues have been translated as "Russian Metallurgy and Fuels."
The 1960 issues are available from ETP, $45.00/year
The 1962 issues are available from SIC, $68.00/year

Order from: SIC $68.00/year

AKADEMIYA NAUK SSSR. IZVESTIYA. NEORGANICHESKIE MATERIALY
(Inorganic Materials)
Translation begins with 1965, no. 1-
Monthly

Order from: PLPC $150.00/year

AKADEMIYA NAUK SSSR. IZVESTIYA. SERIYA FIZICHESKAYA
(Bulletin of the Academy of Sciences of the USSR. Physical Series)
Translation begins with 1954, v. 18, no. 3-
Monthly
Single issues $25.00

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AKADEMIYA NAUK SSSR. IZVESTIYA. SERIYA GEOFIZICHESKAYA
(Bulletin (Izvestiya) Academy of Sciences, USSR. Geophysics Series)
Translation of 1957-1964.
Monthly
Single issues $7.50
Starting with 1965, the publication was divided into two separate journals to be known as "Izvestiya Akademii Nauk SSSR. Seriya Fiziki Atmosfery i Okeana" and "Izvestiya Akademii Nauk SSSR. Seriya Fiziki Zemli.

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AKADEMIYA NAUK SSSR. IZVESTIYA. SERIYA GEOLOGICHESKAYA
(Izvestiya of the Academy of Sciences of the U.S.S.R. Geologic Series)
Translation begins with 1958, v. 23, no. 1-
Full translation published 1958-1961, v. 23-26; available from KP, $20.00/volume, $2.00/issue
Starting with 1962, v. 27, while the whole Russian Journal is being translated selected papers only are published in International Geology Review (IGR). Papers not published in IGR can be obtained at 15 cents/page, photocopy, from: AGI

AKADEMIYA NAUK SSSR. IZVESTIYA. SERIYA KHIMICHESKAYA
(Bulletin of the Academy of Sciences, USSR. Division of Chemical Science)
Translation begins with 1952, no. 1-
Monthly
1952-1955, $80.00/year; 1956, $160.00; 1957-1959, $45.00/year; 1960, $80.00; 1961-1962, $120.00/year
1963-
(Beginning with 1963, no. 7, the Soviet journal changed its name from "Izvestiya Akademii Nauk SSSR. Otdelenie Khimicheskikh Nauk" to the title given above).
Single issues $30.00

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AKADEMIYA NAUK SSSR. IZVESTIYA. TEKHNICHESKAYA KIBERNETIKA
(Technical Cybernetics)
Translation begins with 1963, no. 1-
Bimonthly
Single issues $3.00
(Another translation, titled "Engineering Cybernetics," is available from IEEE, beginning with 1963, no. 1- bimonthly; 1963-1964, $28.50/year, 1965- $40.00/year)
(Beginning with 1963, no. 4, the Soviet journal changed its name from "Izvestiya Akademii Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Tekhnicheskaya Kibernetika" to the title given above.)

Order from: CFSTI $18.00/year

AKADEMIYA NAUK SSSR. SIBIRSKOE OTDELENIE. IZVESTIYA, SERIYA KHIMICHESKIKH NAUK
(Siberian Chemistry Journal of the Academy of Sciences of the U.S.S.R., Novosibirsk)
Translation begins with 1967-
Bimonthly

Order from: PLPC

AKADEMIYA NAUK SSSR. TEMATICHESKII PLAN
(Publishing Plan, Academy of Sciences, USSR)
Listing in English, by subject matter, of scientific and technical books and symposia scheduled for publication during the calendar year by the Soviet Academy of Sciences and its Siberian Division.
Translation begins 1964-
Annual

Order from: SIC $10.00/1964
$13.00/1965

AKADEMIYA NAUK SSSR. TRUDY MORSKOGO GIDROFICHESKOGO INSTITUTA See SOVIET OCEANOGRAPHY

AKADEMIYA NAUK SSSR. VESTNIK.
(Vestnik of the USSR Academy of Sciences)
Translation begins with 1966, v. 36, no. 1-
Monthly
Single issues $3.00

Order from: CFSTI $30.00/year

AKUSTICHESKII ZHURNAL
(Soviet Physics - Acoustics)
Translation begins with 1955, v. 1, no. 1-
Quarterly
1964, v. 10, no. 1-
Single issues $6.00

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AMERICAN MATHEMATICAL SOCIETY TRANSLATIONS
(Selected translated articles, primarily from Soviet sources)
Publication begins with 1949-
Series I, 1949-1954, v. 1-11, $5.00/volume
Series II, 1955-1964, v. 1-43, 1965, v. 44-54, single volumes individually priced.

Order from: AMS

AMERICAN REVIEW OF SOVIET AND EASTERN EUROPEAN FOREIGN TRADE, THE
(Selected translated articles)
Publication begins with 1965, v. 1, no. 1-
Bimonthly

Order from: IASP $35.00/year

ANGEWANDTE CHEMIE
(International Edition in English)
Translation begins with 1962, v. 74, no. 1-
Monthly
Publication for 1962-1964, v. 74-76, contained selected articles only; starting with 1965, v. 77, the journal is translated cover-to-cover
1962, v. 74, $15.00; 1963-1965; 1963-1965, v. 75-77, $20.00/volume
1966, v. 78-
Single issues $3.00

Order from: API $32.00/year

ANNALS OF CHEMISTRY See ROCZNIKI CHEMII

ANTHROPOLOGY OF THE NORTH
(Selected translated articles from Soviet Sources)
Publication begins with 1961, v. 1-
1961, v. 1, $3.00; 1962, v. 2, $3.50; 1963, v. 3, $3.50; 1963, v. 4, $3.25; 1964, v. 5, $6.50; 1964, v. 6, $6.00

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ANTI-AIRCRAFT DEFENSE HERALD See VESTNIK PROTIVOVOZDUSHNOI OBORONY

ANTIBIOTICS See ANTIBIOTIKI

ANTIBIOTIKI
(Antibiotics)
Translation of 1959, v. 4.
Bimonthly

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APPLIED GEOPHYSICS See VESNIK ZAVODA ZA GEOLOSKA I GEOFIZICKA ISTRAZIVANJA

APPLIED SOLAR ENERGY See GELIOTEKHNIKA

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(Pharmaceutics)
Translation of 1966, v. 15, no. 1-5.
Bimonthly
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ARCHIVES OF IMMUNOLOGY AND EXPERIMENTAL THERAPY See ARCHIVUM IMMUNOLOGIAE ET THERAPIAE EXPERIMENTALIS

ARCHIVUM IMMUNOLOGIAE ET THERAPIAE EXPERIMENTALIS
(Archives of Immunology and Experimental Therapy)
Translation begins with 1962, v. 10, no. 1-
Quarterly 1962-1963; bimonthly 1964-
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(Archives of Biological Sciences)
Translation begins with 1962, v. 14, nos. 1-2-
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ARHIV ZA POLJOPRIVREDNE NAUKE I TEHNIKU
(Journal for Scientific Agricultural Research)
Translation begins with 1962, v. 15-
5 issues per year
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AIAA JOURNAL: RUSSIAN SUPPLEMENT

ARTIFICIAL EARTH SATELLITES See
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ASTROFIZIKA
(Astrophysics)
Translation begins with 1965, v. 1, no. 1-
Quarterly

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ASTRONOMICAL BULLETIN See
ASTRONOMICHESKII VESTNIK

ASTRONOMICAL NEWS LETTER
(Translations and abstracts, primarily from Soviet sources; some translations are in English and others in French)
Publication of 1948-1961, nos. 37-109.

Order from: LAL

* ASTRONOMICHESKII VESTNIK
(Astronomical Bulletin) (Solar System Research)
Translation begins with 1967, v. 1, no. 1-

Order from: PLPC

ASTRONOMICHESKII ZHURNAL
(Soviet Astronomy - AJ)
Translation begins with 1957, v. 34, no. 1-
Bimonthly
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ASTROFIZIKA

ATOMNAYA ENERGIYA
(Soviet Atomic Energy)
Translation begins with 1956, v. 1, no. 1-
Bimonthly
1956, v. 1 and 1957-1962, v. 2-13, $75.00/year
1963, v. 14-
(Selected translated articles from Atomnaya Energiya have been included in the "Journal of Nuclear Energy" beginning with 1956, available from PP)
(Another translation of selected articles in French, titled "Energie Atomique" begins with 1963, v. 14, no. 1- available from CEA, 150F/year.)

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AUTOMATION AND REMOTE CONTROL See
AVTOMATIKA I TELEMEKHANIKA

AUTOMATION EXPRESS
(Abstracts of articles from various Soviet journals)
Publication begins with 1958, v. 1, no. 1-
10 issues per volume 1958-1965; monthly 1966-
New series began with 1965, v. 7, no. 8 expanding the scope of this journal.
1958-1965, v. 1-7, $57.50/year
1966, v. 8-

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IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII. AVIATSIONNAYA TEKHNIKA

AVTOMATICHESKAYA SVARKA
(Automatic Welding)
Translation begins with 1959, v. 12, no. 1-
Monthly

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(Automation and Remote Control)
Translation begins with 1956, v. 17, no. 1-
Monthly
1956, v. 17, available from PLPC, single issues $30.00, single article reprints, $12.50.
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(Autometry)
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BIOCHEMISTRY See
BIOKHIMIYA

BIOFIZIKA
(Biophysics)
Translation begins with 1957, v. 2, no. 1-
Bimonthly
1957-1961, v. 2-6, $28.00/volume; single issues $7.00
1962, v. 7, $60.00
1963, v. 8-
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(Biochemistry)
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Bimonthly
1956-1961, v. 21-26, $20.00/volume; 1962, v27, $35.00
1963, v. 28-

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BIOLOSKI GLASNIK

BIOLOSKI GLASNIK
(Biological Review)
Translation of 1962, v. 15.
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MEDITSINSKAYA TEKHNIKA

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BULLETIN (IZVESTIYA) ACADEMY OF SCIENCES, USSR, GEOPHYSICS SERIES See
AKADEMIYA NAUK SSSR, IZVESTIYA, SERIYA GEOFIZICHESKAYA

BULLETIN OF EXPERIMENTAL BIOLOGY AND MEDICINE See
BYULLETEN EKSPERIMENTALNOI BIOLOGII I MEDITSINY

BULLETIN OF THE ACADEMY OF SCIENCES, USSR, DIVISION OF CHEMICAL SCIENCE See
AKADEMIYA NAUK SSSR, IZVESTIYA, SERIYA KHIMICHESKAYA

BULLETIN OF THE ACADEMY OF SCIENCES OF THE USSR, PHYSICAL SERIES See
AKADEMIYA NAUK SSSR, IZVESTIYA, SERIYA FIZICHESKAYA

BULLETIN OF THE BORIS KIDRIC INSTITUTE OF NUCLEAR SCIENCES See
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BULLETIN OF THE CHEMICAL SOCIETY, BELGRADE See
SRPSKO HEMISKO DRUSTVO, BELGRAD, GLASNIK

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ZAVOD ZA GEOLOSKO I GEOFIZICKO ISTRAZIVANJE N. R. SRBIJE, VESNIK

BULLETIN OF THE MOSCOW SOCIETY FOR NATURAL RESEARCH, GEOLOGICAL SECTION See
MOSKOVSKOE OBSHCHESTVO ISPYTATELEI PRIRODY, BYULLETEN, OTDEL GEOLOGICHESKII

BYULLETEN EKSPERIMENTALNOI BIOLOGII I MEDITSINY
(Bulletin of Experimental Biology and Medicine)
Translation begins with 1956, v. 41, no. 1-
Monthly
1956-1961, v. 41-52, $20.00/year
1962, v. 53-
Single issues $30.00

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BYULLETEN IZOBRETENII
(Derwent Russian Patents Report: Chemistry and Allied Subjects)
Translation of 1961, v. 38, no. 1 - 1962, v. 39, no. 2.
Semimonthly

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BYULLETEN IZOBRETENII
(Russian Patents Abstracts)
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Part 2: Chemistry and Chemical Engineering
Translation of 1959-1960, v. 36-37.
Monthly
(Some issues of the journal were called "Russian Patents Gazette")

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(USSR Official Bulletin of Patents and Inventions)
Translation of 1961, v. 38, no. 1 - 1962, v. 39, no. 2.
Semimonthly
(The translation for 1959-1960, v. 36-37, was called "USSR Patents and Inventions." It is also available from DIS)

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BYULLETEN IZOBRETENII I TOVARNYKH ZNAKOV
(Soviet Inventions illustrated)
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Translation begins with 1962, v. 39, nos. 3-4-
Monthly
(Beginning with 1963, v. 40, no. 1- the Russian journal includes trademarks, changing its name from "Byulleten' Izobretenii" to the title given above. However, the translated journal includes patents only.)

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KHIMIYA I TEKHNOLOGIYA TOPLIV I MASEL

CHEMISTRY OF HETEROCYCLIC COMPOUNDS See
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TSITOLOGIYA

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Publication begins with 1965, v. 1, no. 1-
Monthly

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DEFEKTOSKOPIYA
(Soviet Defectoscopy; a Journal of Nondestructive Testing)
Translation begins with 1965, v. 1, no. 1-
Bimonthly

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DENKI GAKKAI ZASSHI
(Electrical Engineering in Japan)
Translation begins with 1963, v. 83, no. 1-
Monthly

Order from: IEEE $50.00/year

DENKI TSUSHIN GAKKAI ZASSHI
(Electronics and Communications in Japan)
Translation begins with 1963, v. 46, no. 1-
Monthly

Order from: IEEE $50.00/year

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(Industrial Wood Processing)
Translation of 1959, v. 8, no. 7-1960, v. 9.
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10 issues per volume 1958-1965; monthly 1966-
New series began with 1965, v. 7, no. 8 expanding the scope of this journal.
1958-1965, v. 1-7, $57.50/year
1966, v. 8-

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ELEKTROSVYAZ AND RADIOTEKHNIKA

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Translation of the two journals combined begins with 1963-
Monthly
Before 1963 the translated journals were published separately:
1. Elektrosvyaz'
Translation of 1961-1962, v. 15-16, was called "Telecommunications," $14.25/year
2. Radiotekhnika
Translation of 1957-1962, v. 12-17, was called "Radio Engineering," $14.25/year

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ELEKTROTEKHNIKA
(Soviet Electrical Engineering)
Translation begins with 1965, v. 36, no. 1-
Monthly
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1962, v. 41-

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Monthly
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1963, v. 15-16, $26.00/volume
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(Soviet Physics - Solid State)
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Bimonthly

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Monthly
The cover-to-cover translation of this journal ended with 1963, no. 12; starting with 1964, no. 1, selected articles only will be included in "Geochemistry International".
Limited numbers of most volumes are available, as follows: 1958-1961, $5.00/year; 1962-1963, $15.00/year; single issues $2.00.

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Selected articles; some other articles are abstracted
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Beginning with 1959, no. 1- reviews and excerpts have been included in the "Reviews" section of the American journal "Economic Geology". Available from EGP, $8.50/year

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GEOMAGNETIZM I AERONOMIYA

GEOMAGNETIZM I AERONOMIYA
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1965, v. 5, nos. 1, 2, titled "Engineering Journal" available from CFSTI, single issues $3.00.
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IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII. AVIATSIONNAYA TEKHNIKA
(Soviet Aeronautics)
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Quarterly
(1963, v. 6, nos. 1-3, titled "Aviation Engineering", available from CFSTI, single issues $3.00)

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JOURNAL OF ORGANIC CHEMISTRY OF THE USSR See
ZHURNAL ORGANICHESKOI KHIMII

JOURNAL OF STRUCTURAL CHEMISTRY See
ZHURNAL STRUKTURNOI KHIMII

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(Includes selected translated articles from various foreign sources)
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1962, v. 1, no. 1; 1963, v. 1, nos. 2, 3; 1964, v. 2, nos. 1, 2; all $3.50/issue, $2.50/issue to members

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1964, v. 23-

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K'O HSUEH T'UNG PAO

KHIMICHESKOE I NEFTYANOE MASHINOSTROENIE
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Translation begins with 1965, v. 1, no. 1-
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Bimonthly

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KHIMIYA I TEKHNOLOGIYA TOPLIV I MASEL
(Chemistry and Technology of Fuels and Oils)
Translation begins with 1965, v. 10, no. 1-
Monthly
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KHIMIYA PRIRODNYKH SOEDINENII
(Chemistry of Natural Compounds)
Translation begins with 1965, v. 1, no. 1-
Bimonthly

Order from: FP $110.00/year

KHIMIYA VYSOKIKH ENERGII
(High Energy Chemistry)
Translation begins with 1967-
Single issues $30.00

Order from: PLPC $95.00/year

KIBERNETIKA
(Cybernetics)
Translation begins with 1965, v. 1, no. 1-
Bimonthly
Single issues $3.00
(Another translation has been announced by FP, bimonthly, 1965, v. 1, no. 1- $115.00/year)

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KINETICS AND CATALYSIS See
KINETIKA I KATALIZ

KINETIKA I KATALIZ
(Kinetics and Catalysis)
Translation begins with 1960, v. 1, no. 1-
Bimonthly
Single issues $35.00, single article reprints, $15.00

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KLINICHESKAYA MEDITSINA
(Clinical Medicine)
Translation of 1966, v. 44, no. 1-11.
Monthly
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K'O HSUEH T'UNG PAO (Kexue Tongbao)
(Chinese Science Bulletin)
Translation begins with 1966, v. 17-

Order from: GS

KOKS I KHIMIYA
(Coke and Chemistry USSR)
Translation begins with 1959, no. 8-
Monthly
Single issues $3.50
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KOLLOIDNYI ZHURNAL
(Colloid Journal)
Translation begins with 1952, v. 14, no. 1-
Bimonthly
1952-1960, v. 14-22, $80.00/volume
1961, v. 23-

Order from: PLPC $115.00/year

KORSAKOV JOURNAL OF NEUROLOGY AND PSYCHIATRY See
ZHURNAL NEVROPATOLOGII I PSIKHIATRII

KOSMICHESKAYA BIOLOGIYA I MEDITSINA
(Space Biology and Medicine)
Translation begins with 1967, v. 1, no. 1-

Order from: PLPC

KOSMICHESKIE ISSLEDOVANIYA
(Cosmic Research)
Translation begins with 1963, v. 1, no. 1-
Bimonthly
1963, v. 1, $50.00/3 issues
1964, v. 2-

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KRISTALLOGRAFIYA
(Soviet Physics - Crystallography)
Translation begins with 1957, v. 2, no. 1-
Bimonthly
Single issues $7.00

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LABOR HYGIENE AND OCCUPATIONAL DISEASES See
GIGIENA TRUDA I PROFESSIONALNYE ZABOLEVANIYA

LI HSUEH HSUEH PAO
(Acta Mechanica Sinica)
Translation begins with 1966, v. 9, no. 1-
Quarterly
Single issues $40.00

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LIJECNICKI VJESNIK
(Medical Journal)
Translation begins with 1962, v. 84, no. 1-
Monthly
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(Russian Castings Production)
Translation begins with 1961, v. 12, no. 1-
Monthly
(Another translation in German, titled "Giessereiwesen", beginning with 1961, v. 12, no. 1- is available from DBEI; single issues DM 13)
1961-1964, v. 12-15, single issues $1.75
1965, v. 16 - single issues $6.00
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LITOLOGIYA I POLEZNYE ISKOPAEMYE

LITOLOGIYA I POLEZNYE ISKOPAEMYE
(Lithology and Mineral Resources)
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Bimonthly
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MASHINOVEDENIE

MACHINES AND TOOLING See
STANKI I INSTRUMENT

MAGNETOHYDRODYNAMICS See
MAGNITNAYA GIDRODINAMIKA

MAGNITNAYA GIDRODINAMIKA
(Magnetohydrodynamics)
Translation begins with 1965, v. 1, no. 1-
Quarterly

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* MASHINOVEDENIE
(Machine Science Abstracts)
Publication begins with 1965, no. 1-
Bimonthly

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MATEMATICHESKIE ZAMETKI
(Mathematical Notes)
Translation begins with 1967
Monthly

Order from: PLPC

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SELECTED TRANSLATIONS IN MATHEMATICAL
STATISTICS AND PROBABILITY

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STATISTICS IN THE USSR AND EASTERN EUROPE
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Quarterly

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MECHANICS OF SOLIDS See
MEKHANIKA TVERDOGO TELA

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MEDITSINSKAYA PROMYSHLENNOST SSSR

MEDICAL JOURNAL See
LIJECNICKI VJESNIK

MEDICAL PUBLISHING PLAN, ACADEMY OF
MEDICAL SCIENCES, USSR See
AKADEMIYA MEDITSINSKIKH NAUK SSSR

MEDICAL RADIOLOGY See
MEDITSINSKAYA RADIOLOGIYA

MEDITSINSKAYA PROMYSHLENNOST SSSR
(Medical Industry of the USSR)
Translation of 1966, v. 20, no. 1-9
Monthly
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* MEDITSINSKAYA TEKHNIKA
(Biomedical Engineering)
Translation begins with 1967, v. 1, no. 1-
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(Abstracts of Soviet Medicine)
Translation of 1957-1961, v. 1-5
Monthly

Order from: EMF

MEDYCYNA DOSWIADCZALNA I MIKROBIOLOGIA
(Experimental Medicine and Microbiology)
Translation begins with 1963, v. 15-
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(Polymer Mechanics)
Translation begins with 1965, v. 1, no. 1-
Bimonthly

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(Mechanics of Solids).
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ZHURNAL

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METALLOVEDENIE I TERMICHESKAYA
OBRABOTKA METALLOV

METALLOVEDENIE I TERMICHESKAYA
OBRABOTKA METALLOV
(Metal Science and Heat Treatment)
Translation begins with 1959, no. 1-
Bimonthly
1959-1964, $24.00/year
1965-

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METALLURG
(Metallurgist)
Translation begins with 1957, v. 2, nos. 1-2-
Bimonthly
1957-1958, v. 2-3, $95.00/year;
1959-1964, v. 4-9, $25.00/year
1965, v. 10-

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METALLURGIST See
METALLURG

METEORITICA See
METEORITIKA

METEORITIKA
(Meteoritica)
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Selected articles.

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METEOROLOGIYA I GIDROLOGIYA

MICROBIOLOGY See
MIKROBIOLOGIYA

MIKROBIOLOGIYA
(Microbiology)
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Bimonthly
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RUDARSKO-METALURSKI ZBORNIK

MOLECULAR BIOLOGY See
MOLEKULYARNAYA BIOLOGIYA

MOLEKULYARNAYA BIOLOGIYA
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(Moscow University Chemistry Bulletin)
Translation begins with 1966, v. 21, no. 1-
Bimonthly

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MOSCOW UNIV. VESTNIK. SERIYA 3: FIZIKA, ASTRONOMIYA
* (Moscow University Bulletin. Physics and Astronomy)
Translation begins with 1965, v. 20, no. 1-
Bimonthly
Single issues $15.00
* (Another translation, titled "Moscow University Physics Bulletin" has been announced by FP, to begin with 1966, v. 21, no. 1- bimonthly, $110.00/year)

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MOSCOW UNIVERSITY BULLETIN. PHYSICS AND ASTRONOMY See
MOSCOW UNIV. VESTNIK. SERIYA 3: FIZIKA, ASTRONOMIYA

MOSCOW UNIVERSITY CHEMISTRY BULLETIN See
MOSCOW UNIV. VESTNIK. SERIYA 2: KHIMIYA

MOSCOW UNIVERSITY PHYSICS BULLETIN See
MOSCOW UNIV. VESTNIK. SERIYA 3: FIZIKA, ASTRONOMIYA

MOSKOVSKOE MATEMATICHESKOE OBSHCHESTVO. TRUDY
(Transactions of the Moscow Mathematical Society)
Translation begins with 1963, v. 12-
Annual
1963, v. 12, $5.30

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MOSKOVSKOE OBSHCHESTVO ISPYTATELEI PRIRODY. BYULLETEN. OTDEL GEOLOGICHESKII
(Bulletin of the Moscow Society for Natural Research. Geological Section)
Translation of 1956-1958, v. 31-33.
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Single issues $3.00

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1966, no. 1-12, available in single issues $3.00 from CFSTI.
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(Petroleum Chemistry U.S.S.R.)
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1963, v. 3- Single issues $45.00

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NEWS OF HIGHER EDUCATIONAL INSTITUTIONS: RADIO ENGINEERING SERIES See
IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII. RADIOTEKHNIKA

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IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII. RADIOFIZIKA

NONFERROUS METALLURGY See
IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII. TSVETNAYA METALLURGIYA

NOVYE KNIGI SSSR
(Index to Forthcoming Russian Books, Life Sciences)
(Index to Forthcoming Russian Books, Technical Sciences)
Two separate publications containing listings by subject categories of translated bibliographic entries of new Russian books in preparation, or published, appearing in the weekly publication Novye Knigi SSSR.
Translation of 1965, no. 1-
Index to Forthcoming Russian Books, Life Sciences,
Bimonthly $24.00/year
(Issues for 1964 were titled "Forthcoming Russian Books, Life Sciences", $24.00/year)
Index to Forthcoming Russian Books, Technical Sciences,
Monthly
(Issues for 1964 were titled "Forthcoming Russian Books, Technical Sciences", $45.00/year)

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(Translation of non-English articles taken from the international journal "Nuclear Fusion" published by IAEA)
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Quarterly
Single issues $3.00

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NUCLEONICS See
NIKLEONIKA

NUKLEONIKA
(Nucleonics)
Translation begins with 1957, v. 2, no. 1-
Irregular 1957-1964; monthly 1965-
1957-1960, v. 2-5, selected articles only; beginning with 1961, v. 6, no. 1- it is being translated cover-to-cover.
Issues for 1963-1964, v. 8-9, are in process.
Translation continues with 1965, v. 10-
Single issues $3.00

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OCEANOLOGY See
OKEANOLOGIYA

OGNEUPORY
(Refractories)
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Bimonthly
1960-1964, v. 25-29, $16.00/year
1965, v. 30-

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(Oceanology)
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OPTIKA I SPEKTROSKOPIYA

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Monthly
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1966, v. 20-

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REAKTSIONNAYA SPOSOBNOST ORGANICHESKIKH SOEDINENII

OSNOVANIYA FUNDAMENTY I MEKHANIKA GRUNTOV
(Soil Mechanics and Foundation Engineering)
Translation begins with 1965, v. 7, no. 1-
Bimonthly

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OYO BUTSURI
(Japanese Journal of Applied Physics in English)
Translation begins with 1962, v. 31, no. 1-
Monthly

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PALEONTOLOGICAL JOURNAL See
PALEONTOLOGICHESKII ZHURNAL

PALEONTOLOGICHESKII ZHURNAL
(Paleontological Journal)
Translation begins with 1962, no. 1-
Priror to n1, 1967 selected papers only were published in International Geology Review (IGR). Papers not published in IGR can be obtained at 15 cents/page, photocopy, from: AGI

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PAVLOV JOURNAL OF HIGHER NERVOUS ACTIVITY See
ZHURNAL VYSSHEI NERVNOI DEYATELNOSTI IMENI I. P. PAVLOVA

PETROLEUM CHEMISTRY U. S. S. R. See
NEFTEKHIMIYA

PETROLEUM GEOLOGY See
GEOLOGIYA NEFTI I GAZA

PHARMACEUTICS See
APTECHNOE DELO

PHARMACOLOGY AND TOXICOLOGY See
FARMAKOLOGIYA I TOKSIKOLOGIYA

PHYSICS AND TECHNICS OF SEMICONDUCTORS See
FIZIKA I TEKHNIKA POLUPROVODNIKOV

PHYSICS EXPRESS
(Abstracts of articles from various Soviet journals)
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10 issues per volume 1958-1965; monthly 1966-
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expanding the scope of this journal.
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FIZIKA METALLOV I METALLOVEDENIE

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FIZIOLOGIYA RASTENII

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(Soviet Plastics)
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Monthly

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Monthly
1958-1961, available from CFSTI, single issue $3.00
1962-1963, available from ST, $40.00/year to individuals,
$20.00/year to non-profit organizations
1964, no. 1-
(1962, no. 13 and 1964, no. 13 issues of this journal
are supplements, titled "Doklady Soil Science Sections,"
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POLISH TECHNICAL ABSTRACTS

POLISH ENDOCRINOLOGY See
ENDOKRYNOLOGIA POLSKA

POLISH MEDICAL JOURNAL
(Selected translated articles)
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POLISH PHARMACEUTICAL TRANSACTIONS See
ACTA POLONIAE PHARMACEUTICA

POLISH REVIEW OF RADIOLOGY AND NUCLEAR
MEDICINE See
POLSKI PRZEGLAD RADIOLOGII I MEDYCYNY
NUKLEARNEJ

POLISH TECHNICAL ABSTRACTS
(In English)
Publication begins with 1951, no. 1-
Quarterly
(Beginning with 1964, this journal includes
an insert titled "Polish Economic Abstracts.")

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POLSKI PRZEGLAD RADIOLOGII I MEDYCYNY
NUKLEARNEJ
(Polish Review of Radiology and Nuclear Medicine)
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POLYMER MECHANICS See
MEKHANIKA POLIMEROV

POLYMER SCIENCE U.S.S.R. See
VYSOKOMOLEKULYARNYE SOEDINENIYA

POROSHKOVAYA METALLURGIYA
(Soviet Powder Metallurgy and Metal Ceramics)
Translation begins with 1962, v. 2, no. 1-
Bimonthly through 1964; monthly, 1965-
1962-1964, v. 2-4, $80.00/year
1965, v. 5-

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POWDER EXPRESS
(Abstracts of articles from various Soviet journals)
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New series began with 1965, v. 4, no. 6 expanding
the scope of this journal.
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1966, v. 5-

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(Instruments and Experimental Techniques)
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(Exploration Geophysics)
Translation begins with 1966, v. 47-48-

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PRIKLADNAYA MATEMATIKA I MEKHANIKA
(Journal of Applied Mathematics and Mechanics)
Translation begins with 1958, v. 22, no. 1-
Bimonthly
1958-1962, v. 22-26, $45.00/volume; 1963, v. 27,
$60.00/volume, single issues $9.00
1964, v. 28- Single issues $15.00

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* PRIKLADNAYA MEKHANIKA
(Soviet Applied Mechanics)
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Monthly
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PROBLEMS OF COSMOGONY See
VOPROSY KOSMOGONII

PROBLEMS OF CYBERNETICS See
PROBLEMY KIBERNETIKI

PROBLEMS OF ECONOMICS
(Volume 1 of this journal is a cover-to-cover translation of "Voprosy Ekonomiki."
Publication of selected translated articles from various Soviet journals begins with 1959, v. 2, no. 1-
Monthly
1959-1962, v. 2-5, $75.00/year
1963, v. 6-

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PROBLEMS OF ECONOMICS See also
VOPROSY EKONOMIKI

PROBLEMS OF HEMATOLOGY AND BLOOD TRANSFUSION See
PROBLEMY GEMATOLOGII I PERELIVANIYA KROVI

PROBLEMS OF INFORMATION TRANSMISSION See
PROBLEMY PEREDACHI INFORMATSII

PROBLEMS OF ONCOLOGY See
VOPROSY ONKOLOGII

PROBLEMS OF PSYCHOLOGY See
VOPROSY PSIKHOLOGII

PROBLEMS OF THE NORTH See
PROBLEMY SEVERA

PROBLEMS OF VIROLOGY See
VOPROSY VIRUSOLOGII

PROBLEMY GEMATOLOGII I PERELIVANIYA KROVI
(Problems of Hematology and Blood Transfusion)
Translation of 1957-1961, v. 2-6.
Monthly
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(Problems of Cybernetics)
Translation begins with 1959, no. 1-
Irregular
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(Another translation is available from CFSTI, beginning with 1962, no. 7- $35.00/year, single issues $3.00)

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(Problems of Information Transmission)
Translation begins with 1965, v. 1, no. 1-
Quarterly
(Another translation is available from CFSTI, beginning with 1966, v. 2- quarterly, $12.00/year, single issues $3.00)

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(Problems of the North)
Translation begins with 1958, no. 1-
Irregular
1958, no. 1, available in single article reprints only, $1.00/each; 1959, nos. 2, 3, 1961, no. 4, 1962, no. 6, 1963, nos. 5, 7, 1964, no. 8, single issues $7.00; single article reprints $1.00

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PROSPECTION ET PROTECTION DU SOUS-SOL; IN FRENCH See
RAZVEDKA I OKHRANA NEDR

PROTECTION OF METALS See
ZASHCHITA METALLOV

PRZEGLAD EPIDEMIOLOGICZNY
(Epidemiological Review)
Translation begins with 1963, v. 17-
Semiannual
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PUBLISHING PLAN, ACADEMY OF SCIENCES, USSR See
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(Radiobiology)
Translation begins with 1961, v. 1-
Bimonthly
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RADIOBIOLOGY See
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RADIO ENGINEERING See
ELEKTROSVYAZ AND RADIOTEKHNIKA

RADIO ENGINEERING AND ELECTRONICS See
RADIOTEKHNIKA I ELEKTRONIKA

RADIOKHIMIYA
(Soviet Radiochemistry)
Translation of 1962, v. 4, no. 1-
Bimonthly
(1960-1961, v. 2-3, titled "Radiochemistry", available from CFSTI, $3.00 - two numbers; single numbers not available)
(Another translation in French, titled "Radiochimie" begins with 1965, v. 7, no. 1- available from CNRS, bimonthly, F 150/year)

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RADIOTEKHNIKA See
ELEKTROSVYAZ AND RADIOTEKHNIKA

RADIOTEKHNIKA I ELEKTRONIKA
(Radio Engineering and Electronic Physics)
Translation begins with 1961, v. 6, no. 1-
Monthly
(Another translation, titled "Radio Engineering and Electronics," is available from PP, as follows: 1957-1960, v. 2-5; 1961, v. 6, nos. 1-7 only; $63.00/volume, single issues $9.00)

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(Organic Reactivity)
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TYL I SNABZHENIE SOVETSKIKH VOORUZHENNYKH SIL

RED FLAG See HUNG CH'I

REFERATIVNYI ZHURNAL, MATEMATIKA, TEORETICHESKAYA KIBERNETIKA See
REFERATIVNYI ZHURNAL, KIBERNETIKA

REFERATIVNYI ZHURNAL, KIBERNETIKA
(Cybernetics Abstracts)
Translation begins with 1965, no. 1-
Monthly
The Russian journal for 1964 was called REFERATIVNYI ZHURNAL, MATEMATIKA, TEORETICHESKAYA KIBERNETIKA. The title of the English translation was "Theoretical Cybernetics Abstracts' available from SIC $135.00/year. Beginning with 1965, no. 1, a new section titled "Tekhnicheskaya Kibernetika" was added to the Russian journal and the name of the journal was changed to the title given above.

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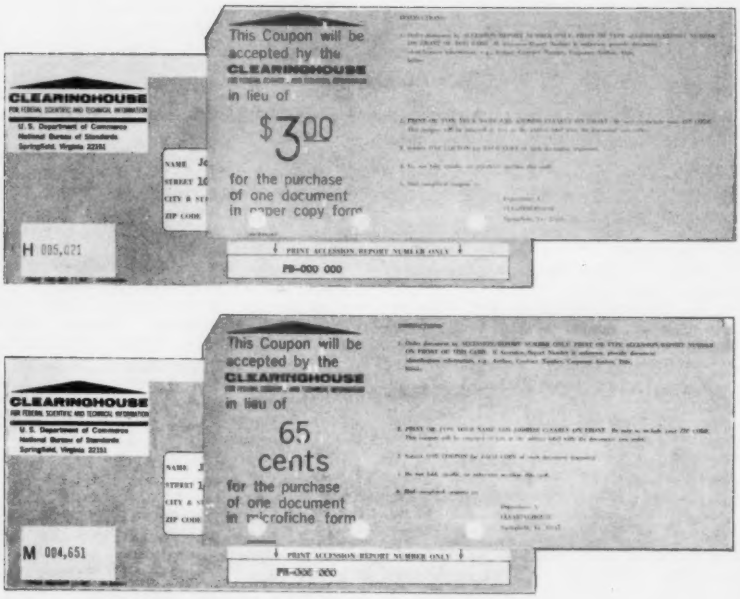
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